

Pedro Abreu

List of Publications by Year in descending order

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Version: 2024-02-01

381
papers

20,230
citations

19608

61
h-index

13727

129
g-index

389
all docs

389
docs citations

389
times ranked

13760
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-messenger Observations of a Binary Neutron Star Merger [*] . Astrophysical Journal Letters, 2017, 848, L12.	3.0	2,805
2	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	10.3	974
3	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	6.0	647
4	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	1.4	592
5	Observation of the Suppression of the Flux of Cosmic Rays above $\langle \mathbf{mml:mn} \rangle 4 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:mo} \rangle \text{Å} - \langle \mathbf{mml:mo} \rangle \langle \mathbf{mml:msup} \rangle \langle \mathbf{mml:mn} \rangle 10 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:mn} \rangle 19 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:mo} \rangle$ Physical Review Letters, 2008, 101, 061101.	2.9	500
6	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.	10.3	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.	0.7	442
8	Measurement of the Depth of Maximum of Extensive Air Showers above $\langle \mathbf{mml:msup} \rangle \langle \mathbf{mml:mn} \rangle 10 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:mn} \rangle 18 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:msup} \rangle \langle \mathbf{mml:mtext} \rangle \text{Å} \langle \mathbf{mml:mtext} \rangle \langle \mathbf{mml:mtext} \rangle$ Physical Review Letters, 2010, 104, 091101.	2.9	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.	1.5	357
10	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. Astroparticle Physics, 2008, 29, 188-204.	1.9	305
11	Performance of the DELPHI detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 57-100.	0.7	294
12	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.	0.7	275
13	Update on the correlation of the highest energy cosmic rays with nearby extragalactic matter. Astroparticle Physics, 2010, 34, 314-326.	1.9	270
14	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. I. Measurements at energies above $\langle \mathbf{mml:mrow} \rangle \langle \mathbf{mml:mn} \rangle 1 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:msup} \rangle \langle \mathbf{mml:mrow} \rangle \langle \mathbf{mml:mn} \rangle 0 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:mrow} \rangle \langle \mathbf{mml:mrow} \rangle \langle \mathbf{mml:mn} \rangle$ Physical Review D, 2014, 90, .	1.6	266
15	Observation of a large-scale anisotropy in the arrival directions of cosmic rays above 8 $\times 10^{18}$ eV. Science, 2017, 357, 1266-1270.	6.0	261
16	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.	1.4	221
17	Depth of maximum of air-shower profiles at the Pierre Auger Observatory. II. Composition implications. Physical Review D, 2014, 90, .	1.6	213
18	Measurement of the Proton-Air Cross Section at $\langle \mathbf{mml:msqrt} \rangle \langle \mathbf{mml:mi} \rangle s \langle \mathbf{mml:mi} \rangle \langle \mathbf{mml:msqrt} \rangle \langle \mathbf{mml:mo} \rangle \mathbf{\langle \mathbf{mml:mn} \rangle 57 \langle \mathbf{mml:mn} \rangle \langle \mathbf{mml:mtext} \rangle \text{Å} \langle \mathbf{mml:mtext} \rangle \langle \mathbf{mml:mtext} \rangle \langle \mathbf{mml:mtext} \rangle \langle \mathbf{mml:mi} \rangle T}$ the Pierre Auger Observatory. Physical Review Letters, 2012, 109, 062002.	2.9	212

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19	Measurement of the mass and width of the Z ⁰ -particle from multihadronic final states produced in e ⁺ e ⁻ annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 539-547.	1.5	200
20	Combined fit of spectrum and composition data as measured by the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 038-038.	1.9	191
21	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.	3.0	165
22	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.	1.9	161
23	Photon events with missing energy in e ⁺ e ⁻ collisions at $\sqrt{s} = \sqrt{130 \text{ to } 209 \text{ GeV}}$. European Physical Journal C, 2005, 38, 395-411.	1.4	156
24	Testing Hadronic Interactions at Ultrahigh Energies with Air Showers Measured by the Pierre Auger Observatory. Physical Review Letters, 2016, 117, 192001.	2.9	154
25	Muons in air showers at the Pierre Auger Observatory: Mean number in highly inclined events. Physical Review D, 2015, 91, .	1.6	152
26	Trigger and aperture of the surface detector array of the Pierre Auger Observatory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 29-39.	0.7	151
27	SEARCHES FOR ANISOTROPIES IN THE ARRIVAL DIRECTIONS OF THE HIGHEST ENERGY COSMIC RAYS DETECTED BY THE PIERRE AUGER OBSERVATORY. Astrophysical Journal, 2015, 804, 15.	1.6	146
28	Upper Limit on the Diffuse Flux of Ultrahigh Energy Tau Neutrinos from the Pierre Auger Observatory. Physical Review Letters, 2008, 100, 211101.	2.9	141
29	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.	3.0	135
30	Improved limit to the diffuse flux of ultrahigh energy neutrinos from the Pierre Auger Observatory. Physical Review D, 2015, 91, .	1.6	125
31	Study of tau-pair production in photon-photon collisions at LEP and limits on the anomalous electromagnetic moments of the tau lepton. European Physical Journal C, 2004, 35, 159-170.	1.4	118
32	Upper limit on the cosmic-ray photon fraction at EeV energies from the Pierre Auger Observatory. Astroparticle Physics, 2009, 31, 399-406.	1.9	117
33	Limit on the diffuse flux of ultrahigh energy tau neutrinos with the surface detector of the Pierre Auger Observatory. Physical Review D, 2009, 79, .	1.6	99
34	Measurement of the cosmic-ray energy spectrum above 2.5×10^{18} eV using the Pierre Auger Observatory. Physical Review D, 2020, 102, .	1.6	98
35	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.	0.5	95
36	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.	2.9	91

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37	Study of hadronic decays of the Z0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 271-282.	1.5	90
38	Search for charged Higgs bosons at LEP in general two Higgs doublet models. European Physical Journal C, 2004, 34, 399-418.	1.4	87
39	Probing the radio emission from air showers with polarization measurements. Physical Review D, 2014, 89, .	1.6	85
40	A study of the effect of molecular and aerosol conditions in the atmosphere on air fluorescence measurements at the Pierre Auger Observatory. Astroparticle Physics, 2010, 33, 108-129.	1.9	84
41	Evidence for a mixed mass composition at the \sim ankle \AA ™ in the cosmic-ray spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 288-295.	1.5	84
42	Charged particle multiplicity distributions in Z0 hadronic decays. Zeitschrift für Physik C-Particles and Fields, 1991, 50, 185-194.	1.5	82
43	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, .	1.6	82
44	Energy estimation of cosmic rays with the Engineering Radio Array of the Pierre Auger Observatory. Physical Review D, 2016, 93, .	1.6	80
45	Features of the Energy Spectrum of Cosmic Rays above 2.5×10^{18} eV Using the Pierre Auger Observatory. Physical Review Letters, 2020, 125, 121106.	2.9	79
46	A study of the energy evolution of event shape distributions and their means with the DELPHI detector at LEP. European Physical Journal C, 2003, 29, 285-312.	1.4	77
47	Large-scale Cosmic-Ray Anisotropies above 4 EeV Measured by the Pierre Auger Observatory. Astrophysical Journal, 2018, 868, 4.	1.6	77
48	Observation of orbitally excited B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 598-608.	1.5	76
49	Search for first harmonic modulation in the right ascension distribution of cosmic rays detected at the Pierre Auger Observatory. Astroparticle Physics, 2011, 34, 627-639.	1.9	73
50	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. Astrophysical Journal, 2014, 794, 172.	1.6	72
51	A study of intermittency in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 137-147.	1.5	71
52	Bose-Einstein correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 286, 201-210.	1.5	69
53	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. Physical Review D, 2014, 90, .	1.6	69
54	Additional two-loop contributions to electric dipole moments in supersymmetric theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 239-246.	1.5	67

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , 1991, 367, 511-574.	0.9	65
58	Search for the Standard Model Higgs boson at LEP in the year 2000. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 499, 23-37.	1.5	65
59	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , 1994, 418, 403-427.	0.9	64
60	Probing the origin of ultra-high-energy cosmic rays with neutrinos in the EeV energy range using the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 022-022.	1.9	64
61	A comparison of jet production rates on the Z0 resonance to perturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 247, 167-176.	1.5	63
62	Search for doubly charged Higgs bosons at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 552, 127-137.	1.5	63
63	A search for sleptons and gauginos in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 247, 157-166.	1.5	61
64	Search for charginos, neutralinos and gravitinos at LEP. <i>European Physical Journal C</i> , 1998, 1, 1-20.	1.4	57
65	A precise measurement of the Z resonance parameters through its hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 241, 435-448.	1.5	56
66	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
67	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 368-381.	1.9	54
68	b-tagging in DELPHI at LEP. <i>European Physical Journal C</i> , 2004, 32, 185-208.	1.4	53
69	Search for one large extra dimension with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2009, 60, 17-23.	1.4	53
70	Charged particle multiplicity distributions in restricted rapidity intervals in Z0 hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991, 52, 271-281.	1.5	52
71	Measurement of the mass and width of the W boson in e+e- collisions at $\sqrt{s} = 161 \text{--} 209 \text{ GeV}$. <i>European Physical Journal C</i> , 2008, 55, 1.	1.4	52
72	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

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73	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.	1.5	51
74	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. Physical Review D, 2011, 84, .	1.6	51
75	Search for light neutral Higgs particles produced in Z0-decays. Nuclear Physics B, 1990, 342, 1-14.	0.9	50
76	Single intermediate vector boson production in e + e - collisions * at $\sqrt{s} = \sqrt{183-209}$ GeV. European Physical Journal C, 2006, 45, 273-289.	1.4	49
77	Reconstruction of inclined air showers detected with the Pierre Auger Observatory. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 019-019.	1.9	49
78	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.	1.6	49
79	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.	1.9	49
80	mb at MZ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 430-442.	1.5	48
81	Energy dependence of event shapes and of $\hat{t}\pm s$ at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 322-340.	1.5	48
82	Search for pair production of neutral Higgs bosons in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 276-288.	1.5	47
83	Inclusive measurements of the production in hadronic Z0 decays. Nuclear Physics B, 1995, 444, 3-26.	0.9	47
84	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. Astroparticle Physics, 2007, 28, 273-286.	1.9	47
85	Production of \hat{b} and \hat{b} correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 249-262.	1.5	45
86	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.	1.5	44
87	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.	3.0	44
88	The energy spectrum of cosmic rays beyond the turn-down around 10^{17} eV as measured with the surface detector of the Pierre Auger Observatory. European Physical Journal C, 2021, 81, 1.	1.4	44
89	Production of strange particles in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 231-242.	1.5	43
90	Production characteristics of K0 and light meson resonances in hadronic decays of the Z0. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 587-602.	1.5	43

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91	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
92	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.	1.5	42
93	Evidence for an excess of soft photons in hadronic decays of Z0. <i>European Physical Journal C</i> , 2006, 47, 273-294.	1.4	42
94	Experimental study of the triple-gluon vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 255, 466-476.	1.5	41
95	Determination of $\hat{\Gamma}_S$ from the scaling violation in the fragmentation functions in $e+e^+$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 311, 408-424.	1.5	41
96	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.	1.4	41
97	Energy-energy correlations in hadronic final states from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 252, 149-158.	1.5	40
98	Search for single top production via FCNC at LEP at $\hat{s}=189 \text{--} 208 \text{ GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 590, 21-34.	1.5	39
99	Measurement and interpretation of fermion-pair production at LEP energies above the Z resonance. <i>European Physical Journal C</i> , 2006, 45, 589-632.	1.4	39
100	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-18.	0.5	39
101	Cosmic-Ray Anisotropies in Right Ascension Measured by the Pierre Auger Observatory. <i>Astrophysical Journal</i> , 2020, 891, 142.	1.6	39
102	Search for heavy charged scalars in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 241, 449-458.	1.5	38
103	A search for neutral Higgs particles in Z0 decays. <i>Nuclear Physics B</i> , 1992, 373, 3-34.	0.9	38
104	Evidence for B _S meson production in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 289, 199-210.	1.5	38
105	Production of charged particles, K _S ⁰ , K _L [±] , p and $\hat{\Lambda}$ in events and in the decay of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 347, 447-466.	1.5	38
106	Ultrahigh-energy neutrino follow-up of gravitational wave events GW150914 and GW151226 with the Pierre Auger Observatory. <i>Physical Review D</i> , 2016, 94, .	1.6	38
107	Prototype muon detectors for the AMIGA component of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2016, 11, P02012-P02012.	0.5	38
108	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.	1.5	37

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109	Study of inclusive J/ψ production in two-photon collisions at LEP II with the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 76-86.	1.5	37
110	Determination of α_s in second order QCD from hadronic Z decays. Zeitschrift für Physik C-Particles and Fields, 1992, 54, 55-73.	1.5	36
111	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 383-395.	1.5	36
112	Final results from DELPHI on the searches for SM and MSSM neutral Higgs bosons. European Physical Journal C, 2004, 32, 145-183.	1.4	36
113	Determination of heavy quark non-perturbative parameters from spectral moments in semileptonic B decays. European Physical Journal C, 2006, 45, 35-59.	1.4	36
114	Direct measurement of the muonic content of extensive air showers between 2×10^{17} and 2×10^{18} eV at the Pierre Auger Observatory. European Physical Journal C, 2020, 80, 1.	1.4	36
115	Measurement of the spin density matrix for the J/ψ , $K^*_{S0}(892)$ and F produced in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 271-286.	1.5	35
116	Measurement of V_{cb} from the decay process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 510, 55-74.	1.5	35
117	Searches for invisibly decaying Higgs bosons with the DELPHI detector at LEP. European Physical Journal C, 2004, 32, 475-492.	1.4	35
118	Charged particle multiplicity distributions for fixed number of jets in Z0 hadronic decays. Zeitschrift für Physik C-Particles and Fields, 1992, 56, 63-75.	1.5	34
119	Measurement of the triple-gluon vertex from 4-jet events at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 357-368.	1.5	34
120	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
121	Measurement of the Fluctuations in the Number of Muons in Extensive Air Showers with the Pierre Auger Observatory. Physical Review Letters, 2021, 126, 152002.	2.9	34
122	Study of the dependence of direct soft photon production on the jet characteristics in hadronic Z0 decays. European Physical Journal C, 2010, 67, 343-366.	1.4	33
123	A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Pole. European Physical Journal C, 2011, 71, 1.	1.4	33
124	The reaction $e^+e^- \rightarrow \tau^+ \tau^- (3)$ at Z0 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 296-304.	1.5	32
125	Energy dependence of inclusive spectra in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 397-411.	1.5	32
126	Measurement of the $e^+e^- \rightarrow W^+ + W^- \gamma$ cross-section and limits on anomalous quartic gauge couplings with DELPHI. European Physical Journal C, 2003, 31, 139-147.	1.4	32

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127	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
128	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.	1.5	31
129	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.	1.5	31
130	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.	1.4	31
131	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. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 037-037.	1.9	31
132	Study of the leptonic decays of the Z0 boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 241, 425-434.	1.5	30
133	Measurement of the $e^+e^- \rightarrow \tau^+ \tau^- \hat{\tau}^3(\hat{\tau}^3)$ cross section at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 327, 386-396.	1.5	30
134	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.	1.4	30
135	Observation of inclined EeV air showers with the radio detector of the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026.	1.9	30
136	A study of the decays of tau leptons produced on the Z resonance at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 55, 555-567.	1.5	29
137	Limits on the production of scalar leptoquarks from Z0 decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 316, 620-630.	1.5	29
138	Measurement of inclusive production of light meson resonances in hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 298, 236-246.	1.5	29
139	Determination of α_s using the next-to-leading-log approximation of QCD. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993, 59, 21-33.	1.5	29
140	A measurement of B meson production and lifetime using $D^0 \rightarrow \tau^+ \tau^-$ events in Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993, 57, 181-195.	1.5	29
141	Strange baryon production in Z hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995, 67, 543-553.	1.5	29
142	A study of radiative muon-pair events at Z0 energies and limits on an additional $Z^{\pm 2}$ gauge boson. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995, 65, 603-618.	1.5	29
143	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.	1.5	29
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