

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	A source of very energetic oxygen located in Jupiter's inner radiation belts. Science Advances, 2022, 8, eabm4234.	10.3	11
2	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
3	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
4	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
5	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
6	GUIMesh: A tool to import STEP geometries into Geant4 via GDML. Computer Physics Communications, 2019, 239, 150-156.	7.5	9
7	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
8	MARTA: a high-energy cosmic-ray detector concept for high-accuracy muon measurement. European Physical Journal C, 2018, 78, 1.	3.9	9
9	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
10	SEP Protons in GEO measured with the ESA MultiFunctional Spectrometer. IEEE Transactions on Nuclear Science, 2017, , 1-1.	2.0	5
11	Representativeness of $⁶⁰Co$ Testing for EEE Components to be Flown in JUICE. , 2017, , .		0
12	SEP protons in GEO measured with the ESA MultiFunctional spectrometer. , 2016, , .		0
13	Dose calculations from the RADFETs response onboard the ALPHASAT CTTB experiment. , 2016, , .		2
14	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
15	SEP Protons in GEO with the ESA MultiFunctional Spectrometer. , 2016, , .		0
16	Muon Array with RPCs for Tagging Air showers (MARTA). , 2016, , .		1
17	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
18	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

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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	The low energy magnetic spectrometer on Ulysses and ACE response to near relativistic protons. <i>Astronomy and Astrophysics</i> , 2015, 577, A61.	5.1	4
21	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
22	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
23	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
24	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
25	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
26	A SEARCH FOR POINT SOURCES OF EeV PHOTONS. <i>Astrophysical Journal</i> , 2014, 789, 160.	4.5	29
27	Simulation of Single Event Effects and Rate Prediction: CODES an ESA Tool. , 2014, , .		2
28	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
29	Probing the radio emission from air showers with polarization measurements. <i>Physical Review D</i> , 2014, 89, .	4.7	85
30	Muons in air showers at the Pierre Auger Observatory: Measurement of atmospheric production depth. <i>Physical Review D</i> , 2014, 90, .	4.7	69
31	A TARGETED SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal Letters</i> , 2014, 789, L34.	8.3	14
32	Measurement of the electron structure function F_2 at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 737, 39-47.	4.1	0
33	Modeling the Response of the ESAPMOS4 RADFETs for the ALPHASAT CTTB Experiment. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 1439-1443.	2.0	9
34	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
35	Identifying clouds over the Pierre Auger Observatory using infrared satellite data. <i>Astroparticle Physics</i> , 2013, 50-52, 92-101.	4.3	8
36	Electroweak measurements in electron-positron collisions at W -boson-pair energies at LEP. <i>Physics Reports</i> , 2013, 532, 119-244.	25.6	453

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37	Ultrahigh Energy Neutrinos at the Pierre Auger Observatory. <i>Advances in High Energy Physics</i> , 2013, 2013, 1-18.	1.1	39
38	Modeling the response of the ESAPMOS4 RADFETs for the ALPHASAT CTTB experiment. , 2013, , .		0
39	Techniques for measuring aerosol attenuation using the Central Laser Facility at the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2013, 8, P04009-P04009.	1.2	24
40	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
41	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
42	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
43	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.	8.3	55
44	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
45	Measurement of the Proton-Air Cross Section at $\sqrt{s} = 57$ TeV at the Pierre Auger Observatory. <i>Physical Review Letters</i> , 2012, 109, 062002.	7.8	212
46	Publisher's Note: Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory [<i>Phys. Rev. D</i> 84, 122005 (2011)]. <i>Physical Review D</i> , 2012, 85, .	4.7	8
47	A SEARCH FOR POINT SOURCES OF EeV NEUTRONS. <i>Astrophysical Journal</i> , 2012, 760, 148.	4.5	27
48	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
49	The rapid atmospheric monitoring system of the Pierre Auger Observatory. <i>Journal of Instrumentation</i> , 2012, 7, P09001-P09001.	1.2	24
50	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
51	Modeling the effects of low-LET cosmic rays on electronic components. <i>Radiation and Environmental Biophysics</i> , 2012, 51, 245-254.	1.4	6
52	The impact of Mars geological evolution in high energy ionizing radiation environment through time. <i>Planetary and Space Science</i> , 2012, 72, 70-77.	1.7	4
53	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
54	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

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55	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
56	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
57	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
58	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
59	Search for ultrahigh energy neutrinos in highly inclined events at the Pierre Auger Observatory. <i>Physical Review D</i> , 2011, 84, .	4.7	51
60	Validation of the component degradation simulation tool (CODES)., 2011, , .		2
61	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
62	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
63	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
64	Search for single top quark production via contact interactions at LEP2. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	5
65	A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Pole. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	33
66	The exposure of the hybrid detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2011, 34, 368-381.	4.3	54
67	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
68	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
69	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
70	Multiple scattering measurement with laser events. <i>Astrophysics and Space Sciences Transactions</i> , 2011, 7, 383-386.	1.0	1
71	Measurements of CP-conserving trilinear gauge boson couplings $WWV (V=0,1,3,Z)$ in e^+e^- collisions at LEP2. <i>European Physical Journal C</i> , 2010, 66, 35-56.	3.9	20
72	Study of the dependence of direct soft photon production on jet characteristics in hadronic Z O decays. <i>European Physical Journal C</i> , 2010, 67, 343-366.	3.9	33

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73	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
74	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
75	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
76	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
77	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
78	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
79	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
80	Inclusive single-particle production in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 678, 444-449.	4.1	1
81	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
82	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
83	Search for one large extra dimension with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2009, 60, 17-23.	3.9	53
84	A study of $b\bar{b}$ production in e^+e^- collisions at $\sqrt{s}=130$ – 207 GeV. <i>European Physical Journal C</i> , 2009, 60, 1-15.	3.9	11
85	Correlations between polarisation states of W particles in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP2 energies 189–209 GeV. <i>European Physical Journal C</i> , 2009, 63, 611-623.	3.9	1
86	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
87	Correlation of the highest-energy cosmic rays with the positions of nearby active galactic nuclei. <i>Astroparticle Physics</i> , 2008, 29, 188-204.	4.3	305
88	Measurement of the tau lepton polarisation at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 65-73.	4.1	0
89	Upper limit on the cosmic-ray photon flux above 1019eV using the surface detector of the Pierre Auger Observatory. <i>Astroparticle Physics</i> , 2008, 29, 243-256.	4.3	161
90	Higgs boson searches in CP-conserving and CP-violating MSSM scenarios with the DELPHI detector. <i>European Physical Journal C</i> , 2008, 54, 1.	3.9	3

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91	Study of W-boson polarisations and triple gauge boson couplings in the reaction $e+e\rightarrow W+W-$ at LEP 2. European Physical Journal C, 2008, 54, 345-364.	3.9	41
92	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
93	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
94	Di-jet production in $\hat{t}\hat{t}$ collisions at LEP2. European Physical Journal C, 2008, 58, 531-541.	3.9	1
95	Observation of the muon inner bremsstrahlung at LEP1. European Physical Journal C, 2008, 57, 499-514.	3.9	16
96	Observation of the Suppression of the Flux of Cosmic Rays above 4×10^{19} eV. Physical Review Letters, 2008, 101, 061101.	7.8	500
97	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
98	Correlation of the Highest-Energy Cosmic Rays with Nearby Extragalactic Objects. Science, 2007, 318, 938-943.	12.6	647
99	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
100	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
101	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
102	Search for a fourth generation b^c -quark at LEP-II at $\sqrt{s} = 196\text{--}209$ GeV. European Physical Journal C, 2007, 50, 507-518.	3.9	4
103	Investigation of Colour Reconnection in WW events with the DELPHI detector at LEP-2. European Physical Journal C, 2007, 51, 249.	3.9	15
104	Z^0 production in $e+e-$ interactions at $\sqrt{s} = 183\text{--}209$ GeV. European Physical Journal C, 2007, 51, 503-523.	3.9	3
105	Study of triple-gauge-boson couplings ZZZ, ZZ^0 and Z^0Z^0 at LEP. European Physical Journal C, 2007, 51, 525-542.	3.9	24
106	ISOTOPIC MASS SEPARATION WITH THE RICH DETECTOR OF THE AMS EXPERIMENT. , 2007, , .		0
107	Search for χ_{c1} production in $e+e-$ collisions at LEP. European Physical Journal C, 2007, 51, 503-523.	4.1	11
108	Masses, lifetimes and production rates of χ_{c1} production in $e+e-$ collisions at LEP. European Physical Journal C, 2007, 51, 503-523.	4.1	3

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109	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
110	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	25.6	974
111	Determination of heavy quark non-perturbative parameters from spectral moments in semileptonic B decays. European Physical Journal C, 2006, 45, 35-59.	3.9	36
112	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
113	Measurement and interpretation of fermion-pair production at LEP energies above the Z resonance. European Physical Journal C, 2006, 45, 589-632.	3.9	39
114	A measurement of the tau hadronic branching ratios. European Physical Journal C, 2006, 46, 1-26.	3.9	7
115	Study of double-tagged $\hat{1}^3\hat{1}^3$ events at LEP II. European Physical Journal C, 2006, 46, 559-568.	3.9	2
116	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
117	Search for excited leptons in e+e- collisions at $\sqrt{s} = 189\hat{e}^{209}\hat{e}\%$ GeV. European Physical Journal C, 2006, 46, 277.	3.9	13
118	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
119	Evidence for an excess of soft photons in hadronic decays of Z0. European Physical Journal C, 2006, 47, 273-294.	3.9	42
120	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	3.9	592
121	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
122	ISOTOPE SEPARATION WITH THE RICH DETECTOR OF THE AMS EXPERIMENT. , 2006, , .		0
123	GEANT4 DETECTOR SIMULATIONS: RADIATION INTERACTION SIMULATIONS FOR THE HIGH-ENERGY ASTROPHYSICS EXPERIMENTS EUSO AND AMS. , 2006, , .		0
124	VELOCITY AND CHARGE RECONSTRUCTION WITH THE AMS/RICH DETECTOR. , 2006, , .		0
125	SIMULATION OF RADIATION MONITORS FOR FUTURE SPACE MISSIONS. , 2006, , .		0
126	AMS \hat{e} A MAGNETIC SPECTROMETER ON THE INTERNATIONAL SPACE STATION. , 2006, , .		0

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127	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
128	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
129	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
130	Flavour independent searches for hadronically decaying neutral Higgs bosons. European Physical Journal C, 2005, 44, 147-159.	3.9	9
131	Bose-Einstein Correlations in W^+W^- events at LEP2. European Physical Journal C, 2005, 44, 161-174.	3.9	10
132	Production of χ_{c^0} and χ_b in Z decays and lifetime measurement of χ_b . European Physical Journal C, 2005, 44, 299-309.	3.9	11
133	Charged particle multiplicity in three-jet events and two-gluon systems. European Physical Journal C, 2005, 44, 311-331.	3.9	5
134	Final results from DELPHI on the searches for SM and MSSM neutral Higgs bosons. European Physical Journal C, 2004, 32, 145-183.	3.9	36
135	b-tagging in DELPHI at LEP. European Physical Journal C, 2004, 32, 185-208.	3.9	53
136	b-tagging in DELPHI at LEP. European Physical Journal C, 2004, 32, 299-301.	3.9	0
137	Measurement of $ V_{cb} $ using the semileptonic decay $\overline{B^0} \rightarrow \overline{D}^* e^- \overline{\nu}_e$. European Physical Journal C, 2004, 33, 213-232.	3.9	24
138	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
139	Measurement of the forward-backward asymmetries of $e^+e^- \rightarrow Z \rightarrow b\overline{b}$ and $e^+e^- \rightarrow Z \rightarrow c\overline{c}$ using prompt leptons. European Physical Journal C, 2004, 34, 109-125.	3.9	8
140	Measurement of the W-pair production cross-section and W branching ratios in e^+e^- collisions at $\sqrt{s} = 161-209$ GeV. European Physical Journal C, 2004, 34, 127-144.	3.9	30
141	Search for SUSY in the AMSB scenario with the DELPHI detector. European Physical Journal C, 2004, 34, 145-156.	3.9	14
142	Search for charged Higgs bosons at LEP in general two Higgs doublet models. European Physical Journal C, 2004, 34, 399-418.	3.9	87
143	Search for $B^0_s - \overline{B^0_s}$ oscillations in DELPHI using high- p_T leptons. European Physical Journal C, 2004, 35, 35-52.	3.9	8
144	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.	3.9	118

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145	Search for fermiophobic Higgs bosons in final states with photons at LEP 2. European Physical Journal C, 2004, 35, 313-324.	3.9	24
146	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
147	The measurement of α_s from event shapes with the DELPHI detector at the highest LEP energies. European Physical Journal C, 2004, 37, 1-23.	3.9	31
148	A precise measurement of the tau lifetime. European Physical Journal C, 2004, 36, 283-296.	3.9	11
149	Determination of the $e^+e^- \rightarrow \gamma\gamma$ cross-section at LEP 2. European Physical Journal C, 2004, 37, 405-419.	3.9	10
150	Searches for neutral Higgs bosons in extended models. European Physical Journal C, 2004, 38, 1-28.	3.9	96
151	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
152	Measurement of the $\hat{b}0$ decay form factor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 585, 63-84.	4.1	28
153	Search for single top production via FCNC at LEP at $\sqrt{s} = 189$ to 208 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 21-34.	4.1	39
154	Applications of GEANT4 in astroparticle experiments. IEEE Transactions on Nuclear Science, 2004, 51, 1373-1377.	2.0	3
155	Searches for invisibly decaying Higgs bosons with the DELPHI detector at LEP. European Physical Journal C, 2004, 32, 475-492.	3.9	35
156	Search for an LSP gluino at LEP with the DELPHI detector. European Physical Journal C, 2003, 26, 505-525.	3.9	12
157	Search for supersymmetric particles in light gravitino scenarios and sleptons NLSP. European Physical Journal C, 2003, 27, 153-172.	3.9	26
158	Search for resonant $\tilde{t}\tilde{t}^*$ production at $\sqrt{s} = 183$ to 208 GeV. European Physical Journal C, 2003, 28, 15-26.	3.9	9
159	Search for $B^0\text{-}\overline{B^0}$ oscillations and a measurement of $B^0\text{-}\overline{B^0}$ oscillations using events with an inclusively reconstructed vertex. European Physical Journal C, 2003, 28, 155-173.	3.9	21
160	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.	3.9	77
161	ZZ production in e^+e^- interactions at $\sqrt{s} = 183$ -209 GeV. European Physical Journal C, 2003, 30, 447-466.	3.9	22
162	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.	3.9	32

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