

Lluís Garrido

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

675
papers

24,136
citations

67
h-index

126
g-index

700
ext. papers

27,482
ext. citations

5
avg, IF

6.12
L-index

#	Paper	IF	Citations
675	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006 , 427, 257-454	27.7	730
674	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
673	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow J/\psi p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
672	Test of lepton universality using $b^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
671	Design concepts for the Cherenkov Telescope Array CTA: an advanced facility for ground-based high-energy gamma-ray astronomy. <i>Experimental Astronomy</i> , 2011 , 32, 193-316	1.3	496
670	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
669	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
668	Introducing the CTA concept. <i>Astroparticle Physics</i> , 2013 , 43, 3-18	2.4	389
667	ALEPH: A detector for electron-positron annihilations at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 294, 121-178	1.2	340
666	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
665	Measurement of the ratio of branching fractions $B(B \rightarrow D^* \mu^+ \mu^-) / B(B \rightarrow D^* e^+ e^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
664	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
663	Test of lepton universality with $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
662	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , 2013 , 532, 119-244	27.7	291
661	First evidence for the decay $B(s)(0) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
660	Observation of the Doubly Charmed Baryon Λ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
659	Performance of the ALEPH detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995 , 360, 481-506	1.2	256

658	Branching ratios and spectral functions of D decays: Final ALEPH measurements and physics implications. <i>Physics Reports</i> , 2005 , 421, 191-284	27.7	252
657	Observation of the resonant character of the $Z(4430)^{-}$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
656	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
655	Angular analysis of the $B^0 \rightarrow K^* D^+$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
654	Measurement of the $B_s(0) \rightarrow D^+$ branching fraction and search for $B(0) \rightarrow D^+$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
653	Measurement of J/ψ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	216
652	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163
651	Observation of Five New Narrow χ_{c^0} States Decaying to $\chi_{c^+} K^-$. <i>Physical Review Letters</i> , 2017 , 118, 182001	7.4	154
650	Evidence for CP violation in time-integrated $D^0 \rightarrow h^- h^+$ decay rates. <i>Physical Review Letters</i> , 2012 , 108, 111602	7.4	150
649	Strong constraints on the rare decays $B(s)(0) \rightarrow D^+$ and $B^0 \rightarrow D^+$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
648	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* D^+$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
647	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow D^+ D^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
646	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
645	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
644	Studies of QCD at $(\sqrt{s} = \sqrt{s^+ + s^-})$ centre-of-mass energies between 91 and 209 GeV. <i>European Physical Journal C</i> , 2004 , 35, 457-486	4.2	116
643	Observation of an excess in the search for the Standard Model Higgs boson at ALEPH. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 495, 1-17	4.2	116
642	Measurement of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
641	Measurement of the $B_{s^0} \rightarrow D^+ D^-$ Branching Fraction and Effective Lifetime and Search for $B^0 \rightarrow D^+ D^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106

640	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
639	Observation of Λ_b^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
638	Single- and multi-photon production in ee collisions at \sqrt{s} up to 209 GeV. <i>European Physical Journal C</i> , 2003 , 28, 1-13	4.2	102
637	Study of the fragmentation of b quarks into B mesons at the Z peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 512, 30-48	4.2	102
636	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
635	A precise determination of the number of families with light neutrinos and of the Z boson partial widths. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 235, 399-414	4.2	99
634	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow J/\psi K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
633	Measurement of the CP-violating phase ϕ_1 in the decay $B^0 \rightarrow J/\psi K^0$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95
632	Evidence for Exotic Hadron Contributions to $B^0 \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
631	Measurement of Λ_b^0 polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
630	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
629	Observation of double charm production involving open charm in pp collisions at $(\sqrt{s} = 7); \{\text{TeV}\}$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	86
628	Model-Independent Evidence for J/ψ Contributions to $B^0 \rightarrow J/\psi K^0$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
627	Exclusive J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013 , 40, 045001	2.9	85
626	Measurement of production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
625	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	4.7	83
624	Updated measurements of exclusive J/ψ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2014 , 41, 055002	2.9	83
623	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79

622	Evidence for the decay . <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
621	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
620	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	78
619	First observation of CP violation in the decays of B(s)0 mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601.4	7.4	78
618	Search for charginos nearly mass degenerate with the lightest neutralino in e+e collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 533, 223-236	4.2	76
617	Search for a non-minimal Higgs boson produced in the reaction \rightarrow . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 312-325	4.2	74
616	A search for new quarks and leptons from Z0 decay at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 511-522	4.2	73
615	Search for Majorana neutrinos in $B^- \rightarrow \mu \bar{\nu}_\mu$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
614	Dalitz plot analysis of $B_s^0 \rightarrow D^0 K^+ K^-$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
613	Measurement of CP violation in the phase space of $B_{\mu}^0 \rightarrow K^+ \mu^-$ and $B_{\mu}^0 \rightarrow K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
612	Observation of CP violation in $B_{\mu}^0 \rightarrow DK^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
611	Study of D J meson decays to $D^+ D^0 \mu^+$ and $D^{*+} \mu^+$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
610	Observation of excited $(b)(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
609	Final results of the searches for neutral Higgs bosons in e+e collisions at \sqrt{s} up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 191-205	4.2	68
608	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi + K^+ K^-$ and $B_s^0 \rightarrow J/\psi + \mu^+ \mu^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
607	First observation of $B_s^0 \rightarrow J/\psi(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
606	Measurements of prompt charm production cross-sections in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	65
605	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^{*0}(\mu^+)(\mu^-)$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65

604	Study of the production of and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
603	Physics potential of the International Axion Observatory (IAXO). <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 047-047	6.4	64
602	Search for Structure in the $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
601	Search for scalar leptons in e+e- collisions at centre-of-mass energies up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 206-220	4.2	64
600	Differential branching fraction and angular analysis of the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
599	Measurement of $\chi(0)$ meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
598	Measurement of the charged particle multiplicity distribution in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 273, 181-192	4.2	62
597	Measurement of CP violation in the phase space of $B_{(s)}^0 \rightarrow K^+ K^- \mu^+ \mu^-$ and $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
596	Observation of overlapping spin-1 and spin-3 D0K- resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
595	Limits for the central production of Theta+ and Xi(--) pentaquarks in 920-GeV pA collisions. <i>Physical Review Letters</i> , 2004 , 93, 212003	7.4	61
594	Search for neutral Higgs bosons from supersymmetry in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 237, 291-302	4.2	61
593	Study of J/ψ production and cold nuclear matter effects in pPb collisions at $(\sqrt{s_{NN}}) = 5$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
592	Inclusive W and Z production in the forward region at $(\sqrt{s} = 7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60
591	Measurement of the isospin asymmetry in $B \rightarrow K^{(*)} \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	59
590	Analysis of the resonant components in $B_{(s)}^0 \rightarrow J/\psi \mu^+ \mu^-$ <i>Physical Review D</i> , 2012 , 86,	4.9	59
589	Production of J/ψ and (varUpsilon) mesons in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	58
588	Search for the rare decays $B_{(s)}^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4.2	58
587	Search for charged Higgs bosons in e+e- collisions at energies up to $\sqrt{s}=209$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 543, 1-13	4.2	58

586	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b(-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7.4	57
585	Kinematic distributions and nuclear effects of J/ψ production in 920 GeV fixed-target proton-nucleus collisions. <i>European Physical Journal C</i> , 2009 , 60, 525-542	4.2	57
584	New particle searches. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1985 , 152, 439-442	4.2	57
583	Amplitude analysis of $B^{+-} \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	56
582	Measurement of b-hadron masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 241-248	4.2	55
581	Observation of the decay $B(c)(+) \rightarrow B(s)(0)\psi$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7.4	55
580	Determination of the sign of the decay width difference in the $B(s)(0)$ system. <i>Physical Review Letters</i> , 2012 , 108, 241801	7.4	55
579	Search for the $X(4140)$ state in $B^{+-} \rightarrow J/\psi K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4.9	55
578	Differential branching fraction and angular analysis of $B^0 \rightarrow \psi K^0$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	54
577	Measurement of resonant and CP components in $B^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2014 , 89,	4.9	54
576	Search for supersymmetric particles in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 373, 246-260	4.2	54
575	Precision measurement of CP violation in $B(S)(0) \rightarrow J/\psi K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7.4	53
574	Dalitz plot analysis of $B^0 \rightarrow D^0 \psi K^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	53
573	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow J/\psi$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7.4	53
572	Measurement of the resonant and CP components in $B^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	52
571	Search for scalar quarks in e^+e^- collisions at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 537, 5-20	4.2	52
570	Measurement of b-hadron branching fractions for two-body decays into charmless charged hadrons. <i>Journal of High Energy Physics</i> , 2012 , 2012,	5.4	51
569	First observation of the decay $B(c)^+ \rightarrow J/\psi \psi$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50

568	Search for the standard model Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 313, 299-311	4.2	50
567	Precision measurement of the $B_s^0 \rightarrow B_s^0$ oscillation frequency with the decay $B_s^0 \rightarrow D_s^+ D_s^-$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
566	Analysis of the resonant components in $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	49
565	Search for long-lived scalar particles in $B^+ \rightarrow K^+ \chi^0$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
564	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
563	Search for supersymmetric particles in e^+e^- collisions at up to 202 GeV and mass limit for the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 499, 67-84	4.2	48
562	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \pi^0$ decays and the $B^0 \rightarrow K^*(892)^0 \pi^+ \pi^-$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
561	Measurement of forward J/ψ production cross-sections in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	47
560	Measurements of CP violation in the three-body phase space of charmless B^0 decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
559	Searches for Majorana neutrinos in B^0 decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
558	Improved measurement of the triple gauge-boson couplings $\gamma\gamma W$ and ZWW in e^+e^- collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 614, 7-26	4.2	47
557	Observation of $B_c^+ \rightarrow J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^{*+}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
556	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.	6.2	45
555	Measurement of B meson production cross-sections in proton-proton collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
554	Observation of D^0 - \bar{D}^0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45
553	Search for pentaquark states in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 599, 1-16	4.2	45
552	Amplitude analysis of $B^0 \rightarrow D^+ \pi^-$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
551	Fermion pair production in e^+e^- collisions at 189 GeV and constraints on physics beyond the standard model. <i>European Physical Journal C</i> , 2007 , 49, 411-437	4.2	44

550	Precision measurement of the ratio of the $\Gamma(B \rightarrow D^* \ell \bar{\nu}_\ell) / \Gamma(B \rightarrow D^* \ell \nu_\ell)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
549	Measurement of the cross-section for $Z \rightarrow e^+e^-$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
548	First evidence of direct CP violation in charmless two-body decays of B_s^0 mesons. <i>Physical Review Letters</i> , 2012 , 108, 201601	7.4	43
547	Observation of a resonance in $B^+ \rightarrow K^+ \pi^0$ decays at low recoil. <i>Physical Review Letters</i> , 2013 , 111, 112003	7.4	43
546	Search for neutral Higgs bosons decaying into four taus at LEP2. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	43
545	The HERA-B ring imaging Cherenkov counter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 516, 445-461	1.2	43
544	Search for gauge mediated SUSY breaking topologies in ee collisions at centre-of-mass energies up to 209 GeV. <i>European Physical Journal C</i> , 2002 , 25, 339-351	4.2	43
543	Search for neutralino production in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 541-550	4.2	43
542	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \pi^+ \pi^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
541	Measurement of the $B_s^0 B_{s1}^0$ oscillation frequency Δm_s in $B_s^0 \rightarrow D_s(B) \pi^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 177-184	4.2	42
540	Measurement of the exclusive \bar{D}^0 production cross-section in pp collisions at $(\sqrt{s}=7)$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	42
539	Measurement of the ratio of prompt \bar{D}^0 production cross-sections in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
538	First observation of the decay $B_s^{*2}(5840)(0) \rightarrow B^{*+} K^-$ and studies of excited $B_s(0)$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 151803	7.4	42
537	Deuteron and anti-deuteron production in e^+e^- collisions at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 192-201	4.2	42
536	Production and decay of charmed mesons at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 266, 218-230	4.2	42
535	Measurement of the \bar{D}^0 production cross-section in proton-proton collisions via the decay $\bar{D}^0 \rightarrow \pi^+ \pi^-$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
534	Search for the doubly charmed baryon (Ξ_{cc}^{++}) . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
533	Measurements of the $B^0 \rightarrow J/\psi$ decay amplitudes and the B^0 polarisation in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41

532	Measurement of the cross-section ratio . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 215-223	4.2	41
531	Absolute mass lower limit for the lightest neutralino of the MSSM from e+e data at s up to 209 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 583, 247-263	4.2	41
530	A search for pair-produced charged Higgs bosons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 623-634	4.2	41
529	Search for the Decays $B_{s}^{0} \rightarrow \bar{D}^{+} D^{-}$ and $B^{0} \rightarrow \bar{D}^{+} D^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
528	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
527	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu \mu$ <i>Physical Review Letters</i> , 2012 , 108, 181806	7.4	39
526	Measurement of the effective b quark fragmentation function at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 699-714	4.2	38
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