

Andrei Tsaregorodtsev

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.

586
papers

19,539
citations

64
h-index

111
g-index

598
ext. papers

22,916
ext. citations

5
avg, IF

6.04
L-index

#	Paper	IF	Citations
586	The LHCb Detector at the LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08005-S08005	1	622
585	Observation of J/ψ Resonances Consistent with Pentaquark States in $\Lambda_b^0 \rightarrow \Lambda^0 \bar{K}^0 p$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 072001	7.4	580
584	Test of lepton universality using $b \rightarrow c \tau \nu$ decays. <i>Physical Review Letters</i> , 2014 , 113, 151601	7.4	542
583	LHCb detector performance. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1530022	1.2	452
582	Observation of the rare $B(s) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
581	Measurement of the ratio of branching fractions $B(B \rightarrow \mu^+ \mu^-) / B(B \rightarrow e^+ e^-)$. <i>Physical Review Letters</i> , 2015 , 115, 111803	7.4	316
580	Measurement of form-factor-independent observables in the decay $B^0 \rightarrow K^{*0} \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2013 , 111, 191801	7.4	314
579	Test of lepton universality with $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	298
578	First evidence for the decay $B(s) \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2013 , 110, 021801	7.4	263
577	Observation of the Doubly Charmed Baryon Λ_{cc}^{++} . <i>Physical Review Letters</i> , 2017 , 119, 112001	7.4	257
576	Observation of the resonant character of the $Z(4430)^-$ state. <i>Physical Review Letters</i> , 2014 , 112, 222002	7.4	234
575	Determination of the $X(3872)$ meson quantum numbers. <i>Physical Review Letters</i> , 2013 , 110, 222001	7.4	234
574	Angular analysis of the $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decay using 3 fb of integrated luminosity. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	232
573	Measurement of the $B_s \rightarrow \mu^+ \mu^-$ branching fraction and search for $B \rightarrow \mu^+ \mu^-$ decays at the LHCb experiment. <i>Physical Review Letters</i> , 2013 , 111, 101805	7.4	221
572	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
571	Observation of a Narrow Pentaquark State, $P_{c}(4312)^{+}$, and of the Two-Peak Structure of the $P_{c}(4450)^{+}$. <i>Physical Review Letters</i> , 2019 , 122, 222001	7.4	199
570	Prompt charm production in pp collisions at . <i>Nuclear Physics B</i> , 2013 , 871, 1-20	2.8	163

569	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
568	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
567	Strong constraints on the rare decays $B(s)(0) \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 231801	7.4	144
566	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	142
565	Angular analysis and differential branching fraction of the decay $B^0 \rightarrow s \rightarrow \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	138
564	Search for Lepton-Universality Violation in $B^+ \rightarrow K^+ \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 191801	7.4	137
563	Measurement of the Ratio of the $B^+ \rightarrow D^{*-} \mu^+ \mu^+$ and $B^+ \rightarrow D^{*-} \mu^+ \mu^+$ Branching Fractions Using Three-Prong Lepton Decays. <i>Physical Review Letters</i> , 2018 , 120, 171802	7.4	126
562	Observation of $X(3872)$ production in pp collisions at $(\sqrt{s}=7\text{mbox{\sim}TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	121
561	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	116
560	Measurement of the Ratio of Branching Fractions $B(B_{c^+} \rightarrow \mu^+ \mu^+) / B(B_{c^+} \rightarrow \mu^+ \mu^+)$. <i>Physical Review Letters</i> , 2018 , 120, 121801	7.4	109
559	Measurement of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 209-216	4.2	107
558	Test of lepton flavor universality by the measurement of the $B^0 \rightarrow D^{*0} \mu^+ \mu^-$ branching fraction using three-prong decays. <i>Physical Review D</i> , 2018 , 97,	4.9	106
557	Measurement of the $B_{s^0} \rightarrow \mu^+ \mu^-$ Branching Fraction and Effective Lifetime and Search for $B^+ \rightarrow \mu^+ \mu^-$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 191801	7.4	106
556	Measurement of b hadron production fractions in 7 TeV pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	105
555	Observation of α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 52-59	4.2	104
554	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	99
553	Observation of J/ψ Structures Consistent with Exotic States from Amplitude Analysis of $B^+ \rightarrow \mu^+ \mu^+ K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 022003	7.4	98
552	Measurement of the CP-violating phase $\arg(\lambda)$ in the decay $B(s)(0) \rightarrow J/\psi \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012 , 108, 101803	7.4	95

551	Evidence for Exotic Hadron Contributions to $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082003	7.4	91
550	Measurement of Λ_c^+ polarization in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2631	4.2	87
549	Differential branching fraction and angular analysis of the decay $(B_s^0) \rightarrow \Lambda_c^+ \pi^-$. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	86
548	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
547	Model-Independent Evidence for J/ψ Contributions to $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2016 , 117, 082002	7.4	85
546	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
545	Measurement of Λ_c^+ production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2025	4.2	83
544	Measurement of the track reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P02007-P02007	1.0	87
543	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
542	Determination of the quark coupling strength $ V_{ub} $ using baryonic decays. <i>Nature Physics</i> , 2015 , 11, 743-747	7.4	79
541	Evidence for the decay $\Lambda_b^0 \rightarrow \Lambda_c^+ \pi^-$. <i>Nuclear Physics B</i> , 2014 , 886, 665-680	2.8	79
540	Precision luminosity measurements at LHCb. <i>Journal of Instrumentation</i> , 2014 , 9, P12005-P12005	1	79
539	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
538	First observation of CP violation in the decays of $B(s)0$ mesons. <i>Physical Review Letters</i> , 2013 , 110, 221601	7.4	78
537	Search for isosinglet neutral heavy leptons in $Z0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 371-382	4.2	76
536	Search for Dark Photons Produced in 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2018 , 120, 061801	7.4	75
535	DIRAC: a community grid solution. <i>Journal of Physics: Conference Series</i> , 2008 , 119, 062048	0.3	73
534	Studies of hadronic event structure and comparisons with QCD models at the $Z0$ resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 55, 39-61		72

533	Search for Majorana neutrinos in $B^- \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014 , 112, 131802	7.4	70
532	Dalitz plot analysis of $B_s^0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , 2014 , 90,	4.9	70
531	Measurement of CP violation in the phase space of $B^0 \rightarrow K^0 \pi^0$ and $B^0 \rightarrow K^0 K^+ K^-$ decays. <i>Physical Review Letters</i> , 2013 , 111, 101801	7.4	70
530	Observation of CP violation in $B^0 \rightarrow \pi^0 K^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 203-212	4.2	69
529	Study of D^* meson decays to $D^+ \pi^0 \pi^0$ and $D^{*+} \pi^+ \pi^0$ final states in pp collisions. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	69
528	Observation of excited $\Lambda_b(0)$ baryons. <i>Physical Review Letters</i> , 2012 , 109, 172003	7.4	68
527	Measurement of CP violation and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \pi^+ K^-$ and $B_s^0 \rightarrow \pi^0 K^0$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	66
526	First observation of $B_s^0 \rightarrow \pi^0(980)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 115-122	4.2	66
525	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
524	Search for Hidden-Sector Bosons in $B(0) \rightarrow K^*(0) \pi^+ \pi^-$ Decays. <i>Physical Review Letters</i> , 2015 , 115, 161802	7.4	65
523	Study of the production of Λ and hadrons in pp collisions and first measurement of the branching fraction. <i>Chinese Physics C</i> , 2016 , 40, 011001	2.2	65
522	Search for Structure in the $B_{s^*}^0 \rightarrow \pi^0 \pi^0$ Invariant Mass Spectrum. <i>Physical Review Letters</i> , 2016 , 117, 152003	7.4	64
521	Differential branching fraction and angular analysis of the $B^+ \rightarrow \pi^+ K^+ \pi^- \pi^0$ decay. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	63
520	Measurement of $\chi(2)$ meson production in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2100	4.2	63
519	Measurement of CP violation in the phase space of $B^0 \rightarrow \pi^+ K^- \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review Letters</i> , 2014 , 112, 011801	7.4	61
518	Observation of overlapping spin-1 and spin-3 $D^0 K^-$ resonances at mass 2.86 GeV/c ² . <i>Physical Review Letters</i> , 2014 , 113, 162001	7.4	61
517	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
516	Inclusive W and Z production in the forward region at ($\sqrt{s} = 7, \text{[text[TeV]]}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	60

515	Measurement of the isospin asymmetry in $B \rightarrow K^* \ell \ell$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	59
514	Analysis of the resonant components in $B \rightarrow \rho \ell \ell$ decays. <i>Physical Review D</i> , 2012 , 86,	4-9	59
513	Production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	58
512	Search for the rare decays $B_s \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 330-340	4-2	58
511	Determination of B_s from hadronic event shapes measured on the Z^0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 284, 471-481	4-2	58
510	Measurement of the $\Lambda_b(0)$, $\Lambda_b(-)$, and $\Lambda_b((-)$ Baryon masses. <i>Physical Review Letters</i> , 2013 , 110, 182001	7-4	57
509	Amplitude analysis of $B \rightarrow \rho K^+$ decays. <i>Physical Review D</i> , 2017 , 95,	4-9	56
508	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
507	Observation of the decay $B(c)^+ \rightarrow B(s)^0 \ell^+$. <i>Physical Review Letters</i> , 2013 , 111, 181801	7-4	55
506	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
505	Search for the $X(4140)$ state in $B \rightarrow \rho K^+$ decays. <i>Physical Review D</i> , 2012 , 85,	4-9	55
504	Differential branching fraction and angular analysis of $B \rightarrow b \ell \ell$ decays. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5-4	54
503	Measurement of resonant and CP components in $B \rightarrow \rho \ell \ell$ decays. <i>Physical Review D</i> , 2014 , 89,	4-9	54
502	First Observation of the Doubly Charmed Baryon Decay $\Lambda_{cc}^{++} \rightarrow \Lambda_c^+ \ell^+ \ell^+$. <i>Physical Review Letters</i> , 2018 , 121, 162002	7-4	54
501	Precision measurement of CP violation in $B(S)^0 \rightarrow \ell^+ \ell^- K^-$ decays. <i>Physical Review Letters</i> , 2015 , 114, 041801	7-4	53
500	Dalitz plot analysis of $B^0 \rightarrow \pi^0 \ell \ell$ decays. <i>Physical Review D</i> , 2015 , 92,	4-9	53
499	Measurements of $B(c)^+$ production and mass with the $B(c)^+ \rightarrow \ell^+ \ell^-$ decay. <i>Physical Review Letters</i> , 2012 , 109, 232001	7-4	53
498	Measurement of the resonant and CP components in $B \rightarrow \rho \ell \ell$ decays. <i>Physical Review D</i> , 2014 , 90,	4-9	52

497	Observation of CP Violation in Charm Decays. <i>Physical Review Letters</i> , 2019 , 122, 211803	7.4	51
496	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
495	Measurement of inclusive production of neutral hadrons from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 328, 223-233	4.2	51
494	Observation of a New χ_{b1} Resonance. <i>Physical Review Letters</i> , 2018 , 121, 072002	7.4	50
493	First observation of the decay $B(c) \rightarrow FJ/\psi$. <i>Physical Review Letters</i> , 2012 , 108, 251802	7.4	50
492	Measurement of cross sections and leptonic forward-backward asymmetries at the Z pole and determination of electroweak parameters. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 62, 551-573		50
491	Precision measurement of the B_s oscillation frequency with the decay $B_s \rightarrow D_s$. <i>New Journal of Physics</i> , 2013 , 15, 053021	2.9	49
490	Analysis of the resonant components in $B \rightarrow \rho \pi$. <i>Physical Review D</i> , 2013 , 87,	4.9	49
489	Search for long-lived scalar particles in $B \rightarrow K \pi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	48
488	Precision measurement of D meson mass differences. <i>Journal of High Energy Physics</i> , 2013 , 2013,	5.4	48
487	Measurements of the S-wave fraction in $B \rightarrow K \pi$ decays and the $B \rightarrow K^*(892) \pi$ differential branching fraction. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	48
486	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
485	Measurements of CP violation in the three-body phase space of charmless B decays. <i>Physical Review D</i> , 2014 , 90,	4.9	47
484	Searches for Majorana neutrinos in B decays. <i>Physical Review D</i> , 2012 , 85,	4.9	47
483	Observation of $B_{c+} \rightarrow D_{s+}$ and $B_{c+} \rightarrow D_{s^{*+}}$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	46
482	Measurement of matter-antimatter differences in beauty baryon decays. <i>Nature Physics</i> , 2017 , 13, 391-396.2	6.2	45
481	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
480	Observation of D_0 - \bar{D}_0 oscillations. <i>Physical Review Letters</i> , 2013 , 110, 101802	7.4	45

479	Amplitude analysis of $B\bar{D}^+ \rightarrow \bar{D}^+ \pi^0$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	45
478	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^{++} . <i>Physical Review Letters</i> , 2018 , 121, 052002	7.4	44
477	Precision measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 122-130	4.2	43
476	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
475	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
474	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
473	Search for neutralinos in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 109-119	4.2	43
472	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
471	Measurement of the $B_s^0 \rightarrow B^0$ 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
470	Measurement of the exclusive π^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
469	Measurement of the ratio of prompt . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 431-440	4.2	42
468	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
467	Isolated hard photon emission in hadronic Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 292, 472-484	4.2	42
466	Measurement of the $[Formula: see text]$ production cross-section in proton-proton collisions via the decay $[Formula: see text]$. <i>European Physical Journal C</i> , 2015 , 75, 311	4.2	41
465	Search for the doubly charmed baryon (Ξ_{cc}^{++}). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	41
464	Measurements of the $B^0 \rightarrow \pi^0 \pi^0$ decay amplitudes and the B^0 polarisation in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 27-35	4.2	41
463	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
462	DIRAC pilot framework and the DIRAC Workload Management System. <i>Journal of Physics: Conference Series</i> , 2010 , 219, 062049	0.3	41

461	Search for the Decays $B_{s}^{0} \rightarrow \mu^{+} \mu^{-}$ and $B^{0} \rightarrow \mu^{+} \mu^{-}$. <i>Physical Review Letters</i> , 2017 , 118, 251802	7.4	40
460	Search for anomalous Z events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 609-616	4.2	40
459	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. <i>Physical Review Letters</i> , 2019 , 122, 231802	7.4	39
458	Opposite-side flavour tagging of mesons at the LHCb experiment. <i>European Physical Journal C</i> , 2012 , 72, 2022	4.2	39
457	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
456	Structural Biology in the Clouds: The WeNMR-EOSC Ecosystem. <i>Frontiers in Molecular Biosciences</i> , 2021 , 8, 729513	5.6	39
455	Measurement of the b-Quark Production Cross Section in 7 and 13 TeV pp Collisions. <i>Physical Review Letters</i> , 2017 , 118, 052002	7.4	36
454	First observation of the decay ($B_c^{+} \rightarrow \{J \text{ left/ } \{\psi \{K^{+}\}\} \text{ right.}\}$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	36
453	High mass photon pairs in events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 337-346	4.2	36
452	Measurement of from hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 237-246	4.2	36
451	Search for massive long-lived particles decaying semileptonically in the LHCb detector. <i>European Physical Journal C</i> , 2017 , 77, 224	4.2	35
450	Measurement of B_c^{+} Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 132001	7.4	35
449	Measurement of [Formula: see text] polarisation in [Formula: see text] collisions at [Formula: see text] = 7 TeV. <i>European Physical Journal C</i> , 2014 , 74, 2872	4.2	35
448	Observation of two new $\Lambda(b)^{-}$ baryon resonances. <i>Physical Review Letters</i> , 2015 , 114, 062004	7.4	35
447	First observation of the decay $B^{+} \rightarrow \mu^{+} \mu \mu$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	35
446	Search for lepton number violating decays $B^{+} \rightarrow \mu \mu \mu$ and $B^{+} \rightarrow K^{-} \mu \mu$. <i>Physical Review Letters</i> , 2012 , 108, 101601	7.4	35
445	Measurement of forward W and Z boson production in pp collisions at $s = 8 \sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016,	5.4	34
444	Measurement of the CP violating phase . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 497-505	4.2	34

443	Quantum numbers of the X(3872) state and orbital angular momentum in its DJ/ψ decay. <i>Physical Review D</i> , 2015 , 92,	4.9	34
442	Measurement of D^0 - \bar{D}^0 mixing parameters and search for CP violation using $D^0 \rightarrow K^+ \ell^- \bar{\nu}_\ell$ decays. <i>Physical Review Letters</i> , 2013 , 111, 251801	7.4	34
441	Absolute luminosity measurements with the LHCb detector at the LHC. <i>Journal of Instrumentation</i> , 2012 , 7, P01010-P01010	1	34
440	Study of the $D^0 \rightarrow p \pi^0$ amplitude in $D^0 \rightarrow b \rightarrow f D^0 p \pi^0$ decays. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	33
439	Measurement of the CP-violating phase γ_s in $B_{\text{c}}^0 \rightarrow \ell^+ \ell^- D^0$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 186-195	4.2	33
438	Measurement of the CKM angle Γ from a combination of $B_{\text{c}}^0 \rightarrow D^0 h^0$ analyses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 151-163	4.2	33
437	Study of $\chi_{\text{c}} \rightarrow \text{b} \rightarrow \text{p} \text{p}$ meson production in $\text{p} \text{p}$ collisions at $\sqrt{s} = 7$ and 8 TeV . <i>European Physical Journal C</i> , 2014 , 74,	4.2	33
436	Measurement of the τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 186-195	4.2	33
435	Identification of beauty and charm quark jets at LHCb. <i>Journal of Instrumentation</i> , 2015 , 10, P06013-P06013		32
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432	Amplitude analysis and branching fraction measurement of $B_{\text{c}}^0 \rightarrow \bar{K}^0 \pi^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	32
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417	Observation of the $\Upsilon(4S) \rightarrow b\bar{c}c$ decay. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
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286	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016 , 76, 664	4.2	16
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241	Observation of $B_{c^+} \rightarrow D^0 K^+$ Decays. <i>Physical Review Letters</i> , 2017 , 118, 111803	7.4	13
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171	Measurement of the time-dependent CP asymmetries in $B \rightarrow 0 \rightarrow f_j / K^0 S^0$. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	9
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163	Search for the rare decay $B^+ \rightarrow \pi^+ \pi^0$. <i>Physical Review D</i> , 2018 , 97,	4.9	9
162	Search for the suppressed decays $B^+ \rightarrow K^+ K^+$ and $B^+ \rightarrow \pi^+ K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 307-316	4.2	8
161	Observation of $B_c^+ \rightarrow D^0 (*) K^0 (*)$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
160	Measurements of charm mixing and CP violation using $D^0 \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	8
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158	Measurement of the Charm-Mixing Parameter y_{CP} . <i>Physical Review Letters</i> , 2019 , 122, 011802	7.4	8
157	Study of χ mixing from measurement of $B(s) \rightarrow 0 \rightarrow f_j / \pi^0$ decay rates. <i>Journal of High Energy Physics</i> , 2015 , 2015,	5.4	8
156	Measurement of branching fractions of charmless four-body $D^0 b$ and $D^0 b$ decays. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8

155	Evidence for the Rare Decay $B^+ \rightarrow \rho^0 K^+$. <i>Physical Review Letters</i> , 2018 , 120, 221803	7.4	8
154	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \rho^0 K^0$. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	8
153	Search for the decay $B^0 \rightarrow \rho^0 K^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 728, 234-243	4.2	8
152	Observation of $B^0 \rightarrow \rho^0 K^0$. <i>Nuclear Physics B</i> , 2013 , 874, 663-678	2.8	8
151	ρ^0 and ρ^{\pm} Resonance Parameters with the Decays $B^0 \rightarrow \rho^0 K^0$. <i>Physical Review Letters</i> , 2017 , 119, 221801	7.4	8
150	Measurement of the B^0 production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8
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147	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. <i>European Physical Journal C</i> , 2015 , 75, 595	4.2	8
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145	First observation of the decays $B(0) \rightarrow \rho^0 K^0$ and $B(0) \rightarrow \rho^{\pm} K^{\mp}$. <i>Physical Review Letters</i> , 2012 , 108, 161801	7.4	8
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141	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
140	Measurement of forward W production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
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133	Measurement of the Z+b-jet cross-section in pp collisions at $(\sqrt{s}) = 7$ TeV in the forward region. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	7
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131	Observation of the $B^0 \rightarrow \pi^+ \pi^-$ decay. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	7
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128	Updated measurement of time-dependent (CP)-violating observables in $(B^0 \rightarrow J/\psi K^+ K^-)$ decays. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
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116	Amplitude Analysis of the Decay $B \rightarrow \{K\}^0 \{K\}^+ \{K\}^-$ and First Observation of the CP Asymmetry in $B \rightarrow \{K\}^0 \{K\}^+ \{K\}^-$. <i>Physical Review Letters</i> , 2018 , 120, 261801	7.4	7
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97	Observation of the decay $B_s^0 \rightarrow D^0 K^+ K^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	6
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57	Measurement of the $B_{s0} \rightarrow D_s^{(*)+} D_s^{(*)-}$ branching fractions. <i>Physical Review D</i> , 2016 , 93,	4.9	3
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