

# Lars Eklund

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3360142/publications.pdf>

Version: 2024-02-01

653  
papers

29,543  
citations

7561

77  
h-index

9579

142  
g-index

669  
all docs

669  
docs citations

669  
times ranked

9809  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	0.5	1,752
2	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	0.5	969
3	Test of Lepton Universality Using $\frac{B \rightarrow K \pi^0 \mu^+ \mu^-}{B \rightarrow K \pi^0 e^+ e^-}$ Observation of $\frac{B \rightarrow K \pi^0 \mu^+ \mu^-}{B \rightarrow K \pi^0 e^+ e^-}$	2.9	845
4	Resonances Consistent with Pentaquark States in $J/\psi \rightarrow \gamma \psi(3700) \rightarrow \gamma \psi(3700) \rightarrow \gamma \psi(3700) \rightarrow \gamma \psi(3700)$	2.9	816
5	$B \rightarrow K \pi^0 \mu^+ \mu^-$		

#	ARTICLE	IF	CITATIONS
19	<a href="#">Measurement of the Ratio of Branching Fractions <math>\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi mathvariant="script" \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo}</math></a>		

#	ARTICLE	IF	CITATIONS
37	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2631.	1.4	117
38	Amplitude analysis of the $B \rightarrow D^* \bar{D}^* D$ decay. Physical Review D, 2020, 102, 014011.	1.6	117
39	Measurement of $b$ hadron production fractions in $7\text{ TeV}$ collisions. Physical Review D, 2013, 87, 012001.	1.6	116
40	Evidence for the decay $B \rightarrow K^* \bar{K}^* D$ . Journal of High Energy Physics, 2013, 2013, 1.	1.5	115
41	Search for Dark Photons Produced in $13\text{ TeV}$ Collisions. Physical Review Letters, 2018, 120, 061801.	0.9	114
42	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \bar{K}^* D$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
44	Updated measurements of exclusive $J/\psi$ and $\psi(2S)$ production cross-sections in pp collisions at $\sqrt{s}=7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 055002.	1.4	111
45	Model-independent Study of Structure in $B \rightarrow D^* \bar{D}^* D$ Decays. Physical Review Letters, 2013, 110, 081801.	2.9	111
46	Evidence for Exotic Hadron Contributions to $B \rightarrow K^* \bar{K}^* D$ Decays. Physical Review Letters, 2013, 110, 081801.	2.9	110
47	Discovery of $\psi(3770) \rightarrow \psi(2S) \bar{K}^* K^*$ Violating Phase. Physical Review Letters, 2013, 110, 081801.	2.9	108
48	Study of the doubly charmed tetraquark $T_{cc}$ . Nature Communications, 2022, 13, 1101.	5.8	107
49	Measurement of $\psi$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2025.	1.4	106
50	Search for Majorana Neutrinos in $B \rightarrow \bar{K}^* \bar{K}^* D$ Decays. Physical Review Letters, 2014, 112, 131802.	2.9	106
51	First Observation of $C \rightarrow P$ Violation in the Decays of $B \rightarrow D^* \bar{D}^* D$ . Physical Review Letters, 2013, 110, 081801.	2.9	105
52	Design and performance of the ABCD3TA ASIC for readout of silicon strip detectors in the ATLAS semiconductor tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 292-328.	0.7	104
53	Exclusive $J/\psi$ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 045001.	1.4	104
54	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	103

#	ARTICLE	IF	CITATIONS
55	Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{c} \ell^+ \ell^- \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1. Model-Independent Evidence for $J/\psi$ production in $B \rightarrow \psi \ell^+ \ell^-$ decays. Contributions to the 13th International Workshop on Heavy Quark Physics, 2013, 162-167.	1.6	103
56	Measurement of the branching fraction of $B \rightarrow \psi \ell^+ \ell^-$ decays. Physical Review Letters, 2013, 111, 101801.	2.9	102
57	Violation in the Phase Space of $B \rightarrow \psi \ell^+ \ell^-$ decays. Physical Review Letters, 2013, 111, 101801.	2.9	101
58	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
59	Observation of Excited $B_c$ Mesons. Physical Review Letters, 2012, 109, 172003.	1.6	99
60	Angular Analysis of the $B_c \rightarrow \psi \ell^+ \ell^-$ Decay. Physical Review Letters, 2012, 109, 172003.	2.9	98
61	Observation of New Resonances Decaying to $B_c \psi \ell^+ \ell^-$ . Physical Review Letters, 2012, 109, 172003.	2.9	96
62	Amplitude Analysis of $B_c \rightarrow \psi \ell^+ \ell^-$ Decays. Physical Review Letters, 2012, 109, 172003.	2.9	93
63	Amplitude Analysis of $B_c \rightarrow \psi \ell^+ \ell^-$ Decays. Physical Review Letters, 2012, 109, 172003.	1.6	92
64	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	89
65	Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	1.4	83
66	Study of D J meson decays to $D \ell^+ \ell^-$ , $D \ell^+ \ell^-$ and $D \ell^+ \ell^-$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
67	Measurement of the $B \rightarrow \psi \ell^+ \ell^-$ branching fraction. Physical Review Letters, 2013, 111, 101801.	2.9	82
68	Differential branching fraction and angular analysis of $B \rightarrow \psi \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2015, 2015, .	1.6	82
69	Observation of Overlapping Spin-1 and Spin-3 Mesons. Physical Review Letters, 2014, 113, 162001.	2.9	81
70	Measurement of the $B \rightarrow \psi \ell^+ \ell^-$ branching fraction. Physical Review Letters, 2013, 111, 101801.	2.9	80
71	Measurement of the $B \rightarrow \psi \ell^+ \ell^-$ branching fraction. Physical Review Letters, 2013, 111, 101801.	1.6	80
72	The barrel modules of the ATLAS semiconductor tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 642-671.	0.7	79

#	ARTICLE	IF	CITATIONS
73	Search for long-lived scalar particles in $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physical Review Letters</i> , 2014, 112, 011801.	1.6	79
74	Measurement of $B \rightarrow K^* \mu^+ \mu^-$ violation in the Phase Space of $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2016, 117, 152003.	2.9	78
75	First observation of $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2016, 117, 152003.	2.9	78
76	Measurement of $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2016, 117, 152003.	2.9	78
77	Particle and High-Energy Physics, 2011, 698, 115-122. 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.	1.5	77
78	Observation of a New $B \rightarrow K^* \mu^+ \mu^-$ Resonance. <i>Physical Review Letters</i> , 2018, 121, 072002.	2.9	77
79	Measurement of the Lifetime of the Doubly Charmed Baryon $\Xi_{cc}^+$ . <i>Physical Review Letters</i> , 2018, 121, 052002.	2.9	77
80	Development of n-on-p silicon sensors for very high radiation environments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 636, S24-S30.	0.7	75
81	Measurements of $B \rightarrow K^* \mu^+ \mu^-$ and Mass with the $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2012, 109, 232001.	2.9	75
82	Observation of CP violation in $B \rightarrow K^* \mu^+ \mu^-$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 203-212.	1.6	75
83	Measurements of the S-wave fraction in $B \rightarrow K^* \mu^+ \mu^-$ decays and the $B \rightarrow K^* \mu^+ \mu^-$ differential branching. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	75
84	Measurement of $B \rightarrow K^* \mu^+ \mu^-$ violation and the $B \rightarrow K^* \mu^+ \mu^-$ decay width difference with $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	74
85	Study of $J/\psi$ 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.	1.6	74
86	Measurement of resonant and $B \rightarrow K^* \mu^+ \mu^-$ components in $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	73
87	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	73
88	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via $B \rightarrow K^* \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2012, 109, 232001.	1.6	73



#	ARTICLE	IF	CITATIONS
91	Amplitude analysis of $B \rightarrow D^* \pi^0$ decays. Physical Review D, 2016, 94, .	1.6	71
92	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \sqrt{13}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	71
93	Quantum numbers of $B_c^0$ . Physical Review D, 2016, 94, .	1.6	69
94	Measurement of the forward Z boson production cross-section in pp collisions at $s = 7 \sqrt{13}$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
95	Operation, optimisation, and performance of the DELPHI RICH detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 47-58.	0.7	68
96	Measurement of the resonant and non-resonant components in $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	67
97	Study of the lineshape of the $B \rightarrow D^* \pi^0$ decay. Journal of High Energy Physics, 2012, 2012, 1.	1.6	66
98	The ATLAS semiconductor tracker end-cap module. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 353-389.	0.7	65
99	Analysis of the resonant components in $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	65
100	Search for the $B \rightarrow D^* \pi^0$ decay. Journal of High Energy Physics, 2012, 2012, 1.	1.6	65
101	Measurement of the isospin asymmetry in $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 165	1.6	65
102	Precision measurement of D meson mass differences. Journal of High Energy Physics, 2013, 2013, .	1.6	65
103	Production of $J/\psi$ and $\Upsilon$ mesons in pp collisions at $\sqrt{s} = 8 \sqrt{13}$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	65
104	Observation of $B \rightarrow D^* \pi^0$ oscillation. Journal of High Energy Physics, 2012, 2012, 1.	2.9	65
105	Measurements of $B \rightarrow D^* \pi^0$ violation in the three-body phase space of charmless $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	65
106	Precision measurement of $B \rightarrow D^* \pi^0$ violation in $B \rightarrow D^* \pi^0$ decays. Journal of High Energy Physics, 2012, 2012, 1.	2.9	65
107	Measurement of matter-antimatter differences in beauty baryon decays. Nature Physics, 2017, 13, 391-396.	6.5	64
108	The silicon microstrip sensors of the ATLAS semiconductor tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 98-118.	0.7	63

#	ARTICLE	IF	CITATIONS
109	First Observation of the Decay $B \rightarrow c \tau \nu$ Physical Review Letters, 2012, 108, 251802.	2.9	61
110	Determination of the Sign of the Decay Width Difference in the $B_s$ System Physical Review Letters, 2012, 108, 241801.	2.9	61
111	Measurement of $B \rightarrow c \tau \nu$ in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV Search for the rare decays $B \rightarrow c \tau \nu$ Physical Review Letters, 2013, 114, 152001.	2.9	61
112	Analysis of the resonant components in $B \rightarrow c \tau \nu$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	1.5	60
113	Search for the rare decays $B \rightarrow c \tau \nu$ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 330-340.	1.6	60
114	Measurement of forward $J/\psi$ production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
115	Precision measurement of the $B \rightarrow s \ell \ell$ oscillation frequency with the decay $B \rightarrow s \ell \ell$ D $\rightarrow \tau \nu$ $\rightarrow s \ell \ell$ . New Journal of Physics, 2013, 15, 053021.	1.2	59
116	Measurement of forward W and Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, .	1.6	59
117	Measurement of b-hadron masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 241-248.	1.5	58
118	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
119	Evidence for an $\eta_c(1S) \pi^- \hat{c} (1S) \bar{\nu}$ - resonance in $B^0 \rightarrow \eta_c(1S) K^+ \pi^- B$		



#	ARTICLE	IF	CITATIONS
127	Measurement of the cross-section for $Z \hat{\nu}^+ e^+ e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
128	Measurement of $\psi(2S)$ $\hat{\nu}^+(2S)$ polarisation in $pp$ collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
129	Measurement of CP asymmetry in $D^0 \hat{\nu}^+ K^+ \hat{\nu}^-$ and $D^0 \hat{\nu}^+ \bar{K}^0 \hat{\nu}^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
130	Measurement of the exclusive $\hat{\nu}^+$ production cross-section in pp collisions at $s=7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
131	Measurement of the $b$ -Quark Production Cross Section in 7 and 13 TeV Collisions. Physical Review Letters, 2017, 118, 052002.	2.9	52
132	Measurement of the W boson mass. Journal of High Energy Physics, 2022, 2022, 1.	1.6	52
133	First Observation of the Decay $B \rightarrow \mu^+ \mu^- s$ . Physical Review Letters, 2013, 110, 151803.	2.9	51
134	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow \mu^+ K^+ \hat{\nu}^+$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
135	Measurement of hadron fractions in 13 TeV $p$ -collisions. Physical Review Letters, 2017, 118, 052002.	1.6	51
136	Measurement of the $B \rightarrow \mu^+ \mu^- s$ decay properties and search for the $B \rightarrow \mu^+ \mu^- s$ decay. Physical Review D, 2022, 105, .	1.6	51
137	Differential Branching Fraction and Angular Analysis of the Decay $B^0 \rightarrow K^* \hat{\nu}^+ \hat{\nu}^-$ . Physical Review Letters, 2012, 108, 181806.	2.9	50
138	Charged particle tracking with the Timepix ASIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, 31-49.	0.7	50
139	Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
140	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
141	Precision measurement of the ratio of the $B \rightarrow \mu^+ \mu^- s$ to $B \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2015, 115, 011801.	1.5	50
142	First observation and amplitude analysis of the $B \rightarrow \mu^+ \mu^- s$ decay. Physical Review D, 2015, 91, 012001.	1.6	50
143	Two-Body Decays of $B \rightarrow C^+ P^-$ Violation in Charmless. Physical Review Letters, 2012, 108, 201601.	2.9	49
144	Searches for Majorana neutrinos in $B^0$ decays. Physical Review D, 2012, 85, .	1.6	49

#	ARTICLE	IF	CITATIONS
145	Measurements of long-range near-side angular correlations in $\sqrt{s} N \langle \cos(\Delta\phi) \rangle$ proton-lead collisions in the forward region. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2016, 369, 473-480. <a href="#">Link</a>	2.9	49
146	Observation of New Resonances in the $\sqrt{s} \langle \cos(\Delta\phi) \rangle$ Sys. Physical Review Letters, 2019, 123, 152001. <a href="#">Link</a>		
147	$\sqrt{s} \langle \cos(\Delta\phi) \rangle$		

#	ARTICLE	IF	CITATIONS
163	Measurement of the $B_c^+$ meson lifetime using $B_c^+ \rightarrow \psi' \mu^+ \nu_\mu$ . European Physical Journal C, 2014, 74, 2839.	1.4	43
164	Observation of an Excited $B_c^+$ State. Physical Review Letters, 2019, 122, 232001.	2.9	43
165	Beam tests of ATLAS SCT silicon strip detector modules. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 384-407.	0.7	42
166	Combined performance tests before installation of the ATLAS Semiconductor and Transition Radiation Tracking Detectors. Journal of Instrumentation, 2008, 3, P08003-P08003.	0.5	42
167	Measurement of the Difference of Time-Integrated Asymmetries in $D^0$ Decays. Physical Review Letters, 2018, 121, 222001.	2.9	42
168	Study of the $\tilde{\chi}_2^0(3823)$ and $\tilde{\chi}_1^0(3872)$ states in $B^+ \rightarrow \tilde{\chi}_1^0(\tilde{\chi}_2^0) K^+$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	42
169	Amplitude analysis of the $B_c^+ \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0$ decay. Physical Review D, 2020, 101, 1.	1.6	42
170	First observation of the decay $B_c^+ \rightarrow \psi' K^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
171	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
172	Measurement of Antiproton Production in Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2018, 121, 222001.	2.9	41
173	Search for $B_c^+ \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0$ decays. Physical Review Letters, 2018, 121, 222001.	1.5	40
174	First LHC beam induced tracks reconstructed in the LHCb VELO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 1-4.	0.7	39
175	Search for Lepton Number Violating Decays $B^+ \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 \mu^+$ and $B^+ \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0 \tau^+$ . Physical Review Letters, 2012, 108, 101601.	2.9	39
176	Precision Measurement of the Mass and Lifetime of the $B_c^+$ . Physical Review Letters, 2014, 113, 242002.	2.9	39
177	Study of the kinematic dependences of $\tilde{\chi}_1^0 b^0$ production in pp collisions and a measurement of the $\tilde{\chi}_1^0 b^0 \rightarrow \tilde{\chi}_1^0 c^0$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
178	Study of $B_c^+ \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0$ Production in Jets. Physical Review Letters, 2017, 118, 192001.	2.9	39
179	Search for beautiful tetraquarks in the $\tilde{\chi}_1^0(1S) \tilde{\chi}_1^0$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	39
180	Search for $B_c^+ \rightarrow \tilde{\chi}_1^0 \tilde{\chi}_1^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 203-212.	1.5	38

#	ARTICLE	IF	CITATIONS
181	Measurement of the $D^{\pm}$ production asymmetry in 7 TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 713, 693-696.	1.5	37
182	Amplitude Analysis of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 123, 231802.	2.9	38
183	Measurement of the forward-backward asymmetry in $Z \rightarrow \bar{c} c$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
184	Production of associated Y and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
185	Prompt and nonprompt $J/\psi$ production and nuclear modification in p-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 159-178.	1.5	37
186	First observation of the decay $B \rightarrow \bar{K}^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
187	Measurement of the relative rate of prompt $c_0$ , $c_1$ and $c_2$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
188	Amplitude analysis and branching fraction measurement of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ . Physical Review D, 2013, 87, .	1.6	36
189	Precision Measurement of the Mass and Lifetime of the $\Lambda_b^0$ Baryon. Physical Review Letters, 2014, 113, 032001.	2.9	36
190	First measurement of the differential branching fraction and CP asymmetry of the $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2015, 2015, .	1.6	36
191	Measurement of the CKM angle $\beta$ from a combination of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ analyses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 151-162.	1.5	35
192	Measurement of the differential branching fraction of the decay $B \rightarrow \bar{K}^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-35.	1.5	35
193	Measurement of the relative branching fractions of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ and measurement of the relative branching fractions of $B \rightarrow \bar{K}^* \ell^+ \ell^-$ . Physical Review Letters, 2013, 111, 102003.	0.9	35
194	Precision Measurement of the $\Lambda_b^0$ Lifetime. Physical Review Letters, 2013, 111, 102003.	2.9	35
195	Development of n+in-p large-area silicon microstrip sensors for very high radiation environments at ATLAS12 design and initial results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 765, 80-90.	0.7	35
196	Observation of the $\Lambda_b^0 \rightarrow \bar{K}^* \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
197	Model-independent confirmation of the $B \rightarrow \bar{K}^* \ell^+ \ell^-$ decay. Physical Review Letters, 2015, 92, .	1.6	35
198	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 5$ TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	35

#	ARTICLE	IF	CITATIONS
199	Search for the doubly charmed baryon $\Xi_{cc}^{++}$ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1	2.0	35
200	Measurement of the $\Lambda_{cc}^{++}$ baryon $\Lambda_{cc}^{++}$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.5	34
201	Measurement of the flavour-specific CP-violating asymmetry $A_{CP}^{\text{flavour}}$ in $B \rightarrow \pi K$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	34
202	Measurement of the $B \rightarrow \pi K$ decays $B \rightarrow \pi K$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	34
203	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	34
204	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
205	Angular moments of the decay $B \rightarrow \pi K$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
206	Measurement of the CP-violating phase $\arg(\lambda_{cb})$ in $B \rightarrow \pi K$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
207	Search for direct CP violation in $B \rightarrow \pi K$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
208	Search for the rare decay $B \rightarrow \pi K$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 15-24.	1.5	33
209	Searches for violation of lepton flavour and baryon number in tau lepton decays at LHCb. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 36-45.	1.5	33
210	Study of $\Upsilon$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
211	Measurement of forward $Z \rightarrow e^+e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
212	Precision measurement of the $\chi_{cc}^{++}$ mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	33
213	Search for a New Structure in the $\chi_{cc}^{++}$ mass. Journal of High Energy Physics, 2020, 2020, 1.	2.9	33
214	Search for the rare decays $B \rightarrow \pi K$ and $B \rightarrow \pi K$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 55-67.	1.5	32
215	Search for the Lepton-Flavor-Violating Decays $B_s \rightarrow \tau^+ e^- \mu^+$ and $B \rightarrow \tau^+ e^- \mu^+$ . Physical Review Letters, 2013, 111, 141801	1.6	32
216	Observation of the decay $B \rightarrow \pi K$ . Physical Review D, 2013, 87, .	1.6	32



#	ARTICLE	IF	CITATIONS
217	Asymmetry in $B \rightarrow 0$ . Journal of High Energy Physics, 2015, 2015, 1.	2.9	32
218	Search for the lepton flavour violating decay $\tilde{l}_i, \tilde{a}^* \hat{\tau}^* \hat{1}/4 \tilde{a}^* \hat{1}/4 + \hat{1}/4 \tilde{a}^*$ . Journal of High Energy Physics, 2015, 2015, 1.	2.9	32
219	Precise measurement of the $B \rightarrow 0$ ratio of fragmentation fractions and of $B \rightarrow 0$ . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 27-42.	1.6	32
220	Construction and performance of the ATLAS silicon microstrip barrel modules. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 27-42.	0.7	31
221	Testing of bulk radiation damage of n-in-p silicon sensors for very high radiation environments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 636, S83-S89.	0.7	31
222	Studies of beauty baryon decays to $B \rightarrow 0$ . Physical Review D, 2014, 89, .	1.6	31
223	Search for violations of Lorentz invariance and $B \rightarrow 0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.5	31
224	Symmetry in $B \rightarrow 0$ . Journal of High Energy Physics, 2015, 2015, 1.	2.9	31
225	Test of lepton universality with $B \rightarrow 0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	31
226	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30
227	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
228	Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
229	Amplitude analysis of $B \rightarrow 0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
230	Measurement of $B \rightarrow 0$ . Journal of High Energy Physics, 2015, 2015, 1.	2.9	30
231	Forward production of $J/\psi$ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
232	Angular analysis of the $B \rightarrow 0$ decay in the low- $q^2$ region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30



#	ARTICLE	IF	CITATIONS
235	Testing of surface properties pre-rad and post-rad of n-in-p silicon sensors for very high radiation environment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, First observation of $\langle \mathbf{D}^0 \rightarrow \mathbf{K}^+ \mathbf{K}^- \rangle$ . S111-S117.	0.7	29
236	Measurement of the lifetime of the $\mathbf{B}_c^0$ meson. Journal of High Energy Physics, 2012, 2012, .	1.5	29
237	Study of $\mathbf{D}_s^0$ decays to $\mathbf{D}^+ \mathbf{K}^-$ and $\mathbf{D}_s^+ \mathbf{K}^-$ final states in pp collisions. Journal of High Energy Physics, 2012, 2012, .	1.6	29
238	Measurement of the CKM angle $\beta$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.4	29
239	Measurement of the CKM angle $\beta$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	2.9	29
240	Measurement of the CKM angle $\beta$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	2.9	29
241	Measurement of the CKM angle $\beta$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
242	Measurement of the shape of the $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ differential decay rate. Physical Review D, 2017, 96, .	1.6	29
243	Near-threshold $\mathbf{D}^0$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	29
244	The optical links of the ATLAS Semiconductor Tracker. Journal of Instrumentation, 2007, 2, P09003-P09003.	0.5	28
245	Measurement of the $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	2.9	28
246	Measurement of the $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
247	First measurement of time-dependent CP violation in $\mathbf{B}_s^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
248	First Observation of a Baryonic $\mathbf{B}_c^0$ Decay. Physical Review Letters, 2014, 113, 152003.	2.9	28
249	Observation of the Decays $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ and $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ . Physical Review Letters, 2017, 119, 062001.	2.9	28
250	Studies of the resonance structure in $\mathbf{D}^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
251	Measurement of the $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
252	First Observation of the Decay $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ and a Measurement of $\mathbf{B}_c^0 \rightarrow \mathbf{K}^+ \mathbf{K}^-$ . Physical Review Letters, 2021, 126, 081804.	2.9	28

#	ARTICLE	IF	CITATIONS
253	Angular analysis of the rare decay $B \rightarrow K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
254	Observation of $B \rightarrow D^* K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	2.9	27
255	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2014, 888, 169-193.	1.5	27
256	Measurement of CP violation and constraints on the CKM angle $\beta$ in $B \rightarrow K^* \ell^+ \ell^-$ decays. Nuclear Physics B, 2014, 888, 169-193.	0.9	27
257	Violation in $B \rightarrow D^* K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	2.9	27
258	Measurement of $B \rightarrow D^* K^* \ell^+ \ell^-$ production in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2014, 74, .	1.4	27
259	Oscillations in $B \rightarrow D^* K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	2.9	27
260	production in $pp$ collisions at $\sqrt{s} = 0.9$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.5	26
261	Measurement of prompt hadron production ratios in $pp$ collisions at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
262	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
263	Measurement of CP asymmetries in the decays $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2014, 2014, .	1.6	26
264	Study of Beauty Hadron Decays into Pairs of Charm Hadrons. Physical Review Letters, 2014, 112, .	2.9	26
265	Measurements of the $B^+$ , $B^0$ , $B_s^0$ meson and $\Lambda_b^0$ baryon lifetimes. Journal of High Energy Physics, 2014, 2014, .	1.6	26
266	Angular analysis of charged and neutral $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
267	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
268	Measurements of the branching fractions for $B \rightarrow D^* K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	26
269	Measurement of the forward energy flow in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2421.	1.4	25
270	Observation of the decay $B_c^+ \rightarrow K^* K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	25

#	ARTICLE	IF	CITATIONS
271	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
272	Searches for $\Lambda_b^0$ and $\Xi_b^0$ decays to $K_{\text{S}}^* \pi^0$ and $K_{\text{S}}^* \pi^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{S}}^* \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
273	Observation of the Annihilation Decay Mode $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review Letters, 2017, 118, 081801.	2.9	25
274	Observation of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
275	Observation of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. Physical Review Letters, 2017, 118, 111803.	2.9	25
276	Measurements of the branching fractions of $B^0 \rightarrow \rho^+ \pi^- K^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
277	The Timepix Telescope for high performance particle tracking. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, Observations of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ .	0.7	24
278	Observation of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays and Measurement of the $\pi^+ \pi^- \pi^0$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	0.9	24
279	Observation of $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays and Measurement of the $\pi^+ \pi^- \pi^0$ Mixing Angle. Physical Review Letters, 2014, 112, 091802.	2.9	24
280	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
281	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
282	Observations of $B^0 \rightarrow \pi^+ \pi^- K^+$ and $B^0 \rightarrow \pi^+ \pi^- K^0$ decays and searches for other $B^0$ and $\bar{B}^0$ decays to $\pi^+ \pi^- K^+$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
283	Evidence for the Rare Decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review Letters, 2017, 118, 081801.	2.9	24
284	Model-Independent Observation of Exotic Contributions to $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. Physical Review Letters, 2019, 122, 152002.	2.9	24
285	Observation of a new baryon state in the $\Lambda_b^0 \rightarrow \pi^+ \pi^- \pi^0$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
286	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
287	Measurement of the $B^0 \rightarrow \pi^+ \pi^- B_s^0$ production asymmetries in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 218-228.	1.5	23
288	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23

#	ARTICLE	IF	CITATIONS
289	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" } \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:mi} \text{mathvariant="normal" } \hat{1} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:m} \text{subsup} \rangle \langle \text{mml:math} \rangle$ Barvon Lifetime. Physical Review Letters, 2018, 121, 092003.	2.9	23
290	Search for the doubly heavy baryons $\Lambda_{cc}$ and $\Sigma_{cc}$ decaying to $\Lambda_c$ and $\Sigma_c^*$ . Chinese Physics C, 2021, 45, 093002.	1.5	23
291	Observation of the Mass Difference between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2021, 127, 111801.	2.9	23
292	Measurement of the $B_{\hat{A}\pm}$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
293	A model-independent Dalitz plot analysis of $B \rightarrow D^0 \pi^+ \pi^-$ . Physical Letters, Section B: Nuclear, Particle and High Energy Physics, 2013, 726, 623-633.	1.5	22
294	Model-independent search for CP violation in $B \rightarrow D^0 \pi^+ \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 623-633.	1.5	22
295	First observations of $B_{\hat{A}\pm} \rightarrow D^0 \pi^+ \pi^-$ , $D_s \rightarrow D^0 \pi^+ \pi^-$ and $D^0 \rightarrow D^0 \pi^0$ decays. Physical Review D, 2013, 87, .	1.6	22
296	Measurement of the $C$ and $P$ Asymmetry in $B \rightarrow D^0 \pi^+ \pi^-$ . Physical Review Letters, 2013, 110, 031801.	2.9	22
297	Measurement of the CKM angle $\hat{1}^3$ using $B_{\hat{A}\pm} \rightarrow D^0 K^+ K^-$ with $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow K^+ K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
298	First Observation of Top Quark Production in the Forward Region. Physical Review Letters, 2015, 115, 112001.	2.9	22
299	Study of $W$ boson production in association with beauty and charm. Physical Review D, 2015, 92.	1.6	22
300	Measurement of the $C$ and $P$ Asymmetry in $B \rightarrow D^0 \pi^+ \pi^-$ . Physical Review Letters, 2013, 110, 031801.	2.9	22
301	Performance of a cluster of multi-anode photomultipliers equipped with lenses for use in a prototype RICH detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 110-130.	0.7	21
302	Silicon detectors for the sLHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 658, 11-16.	0.7	21
303	Observation of $B_{\hat{A}\pm} \rightarrow D^0 \pi^+ \pi^-$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
304	Search for Rare $B \rightarrow D^0 \pi^+ \pi^-$ . Physical Review Letters, 2013, 110, 031801.	2.9	21
305	Search for CP Violation using T-odd correlations in $D^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
306	Precise measurements of the properties of the $B(5721)_{0,+}$ and $B(5747)_{0,+}$ states and observation of $B_{\hat{A}\pm}$ mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	21



#	ARTICLE	IF	CITATIONS
307	A precise measurement of the $B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
308	Measurement of the properties of the $\Lambda_b^0$ baryon. Journal of High Energy Physics, 2016, 2016, .	1.6	21
309	Observation of the decay $B \rightarrow B_s \gamma$ and evidence for $B \rightarrow B_s \tau^+ \tau^-$ . Physical Review Letters, 2017, 119, 181805.	1.6	21
310	Meson Decays to $B_s \tau^+ \tau^-$ and $B_s \tau^+ \tau^-$ . Physical Review Letters, 2017, 119, 181805.	2.9	21
311	Search for the lepton-flavour violating decays $B^0 \rightarrow s \tau^+ \tau^-$ . Journal of High Energy Physics, 2018, 2018, 1.		21
312	Determination of quantum numbers for several excited charmed mesons observed in $B^0 \rightarrow D^* \tau^+ \tau^-$ decays. Physical Review D, 2020, 101, .	1.6	21
313	Observation of a new $B_c$ state. Physical Review D, 2020, 101, .	1.6	21
314	Search for the lepton-flavour violating decays $B^0 \rightarrow s \tau^+ \tau^-$ . Journal of High Energy Physics, 2018, 2018, 1.		20
315	Measurement of the inclusive $\tau$ cross-section in $pp$ collisions at $\sqrt{s} = 13.6$ TeV. Physical Review Letters, 2014, 112, 041801.	1.6	20
316	Evaluation of the bulk and strip characteristics of large area n-in-p silicon sensors intended for a very high radiation environment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 636, S104-S110.	1.5	20
317	Measurements of the branching fractions and CP asymmetries of $B^0 \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^- (2S)$ decays. Physical Review D, 2012, 85, .	1.6	20
319	Scribe "cleave" passivate (SCP) slim edge technology for silicon sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 731, 260-265.	0.7	20
320	First observation of $B \rightarrow B_s \tau^+ \tau^-$ and search for $B \rightarrow B_s \tau^+ \tau^-$ . Physical Review Letters, 2014, 112, 041801.	1.6	20
321	Measurement of the $\Lambda_b(3P)$ mass and of the relative rate of $\Lambda_b(1P)$ and $\Lambda_b(2P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
322	Search for CP violation in $B \rightarrow B_s \tau^+ \tau^-$ . Physical Review Letters, 2014, 112, 041801.		20
323	Study of $B_c^+$ decays to the $K^+ K^0 \tau^+$ final state and evidence for the decay $B_c^+ \rightarrow \tau^+ K^0 \tau^+$ . Physical Review D, 2016, 94, .	1.6	20

#	ARTICLE	IF	CITATIONS
325	Search for the lepton-flavour violating decay $D_0 \rightarrow e^+ \mu^- \nu_e$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 167-175.	1.5	20
326	Measurement of CP observables in $B^+ \rightarrow D^+ K^0$ and $B^+ \rightarrow D^+ \bar{K}^0$ with two- and four-body D decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 117-131.	1.5	20
327	Studies of the resonance structure in $D \rightarrow K^* \pi$ . Physical Review D, 2016, 93, .	1.6	20
328	First Experimental Study of Photon Polarization in Radiative $B_s^0$ Decays. Physical Review Letters, 2017, 118, 021801.	2.9	20
329	Measurement of the CP Violation Parameter $A^{\text{CP}}$ in $D_0^+ \rightarrow K^+ \bar{K}^0$ and $D_0^+ \rightarrow \bar{K}^+ K^0$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
330	Evidence for the decay $B_s^0 \rightarrow \bar{K}^* \mu^+ \mu^-$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
331	Measurement of CP asymmetries in two-body $B(s)0$ -meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	1.6	20
332	Updated measurement of time-dependent $CP$ -violating observables in $B^0 \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
333	Observation of a New Excited $D$ Meson in $D \rightarrow s^+ \pi^-$ Decays. Physical Review Letters, 2021, 126, 122002.	2.9	20
334	Measurements of the branching fractions of the decays $B_s^0 \rightarrow D_s^+ \pi^-$ and $B_s^0 \rightarrow D_s^+ \pi^0$ . Journal of High Energy Physics, 2012, 2012, .	1.6	19
335	First Measurement of the $C$ -Violating Phase in $B \rightarrow P$ -Violating Phase in $B \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2013, 110, 241802.	2.9	19
336	Measurement of the branching fractions of the decays $B_s^0 \rightarrow D^+ K^-$ and $B_s^0 \rightarrow D^+ \bar{K}^0$ . Physical Review D, 2013, 87, .	1.6	19
337	Search for CP violation in the decay $D \rightarrow \pi^+ \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 585-595.	1.5	19
338	Resonances and CP violation in $B \rightarrow D^+ \pi^-$ and $B \rightarrow D^+ \bar{K}^0$ decays in the mass region above the $\bar{K}^*(1020)$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	19
339	First Observation of the Radiative Decay $B \rightarrow \pi^+ \pi^- \gamma$ . Physical Review Letters, 2019, 123, 031801.	2.9	19
340	Strong constraints on the $b \rightarrow s^* \pi^0$ photon polarisation from $B_0 \rightarrow K^* \pi^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
341	Observation of excited $B$ baryons in $B \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2019, 123, 031801.	1.6	19
342	Measurement of $V_0$ production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18



#	ARTICLE	IF	CITATIONS
343	Measurement of the $B_s^0 \rightarrow J/\psi K^* \rightarrow \mu^+ \mu^- K^* \rightarrow \mu^+ \mu^- \pi^+ \pi^-$ branching fraction and angular amplitudes. Physical Review D, 2012, 86, .	1.6	18
344	Measurement of the fraction of $\tilde{\chi}^0(1S)$ originating from $\tilde{\chi}^{\pm}(1P)$ decays in pp collisions at $\sqrt{s}=7, \text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
345	Measurement of the $B \rightarrow \mu^+ \mu^-$ violation in $B \rightarrow \mu^+ \mu^-$ decays. Physical Review D, 2014, 90.	1.6	18
346	Measurement of forward $W^+ \ell^{1/2}$ production in pp collisions at $\sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
347	Measurement of the $B \rightarrow \mu^+ \mu^-$ violation in $B \rightarrow \mu^+ \mu^-$ decays. Physics Letters, Section B, 2017, 361, 1.	1.5	18
348	$\tilde{\chi}^0_1$ and $\tilde{\chi}^0_2$ Resonance Parameters with the Decays $\tilde{\chi}^0_1, \tilde{\chi}^0_2 \rightarrow \mu^+ \mu^- \gamma$ . Physical Review Letters, 2017, 119, 221801.	1.6	18
349	Measurement of the mass and production rate of $\tilde{\chi}^0_1$ . Physical Review D, 2019, 99, .	1.6	18
350	Search for Lepton-Flavor Violating Decays $B \rightarrow \mu^+ K^* \rightarrow \mu^+ \mu^- K^* \rightarrow \mu^+ \mu^- \pi^+ \pi^-$ . Physical Review Letters, 2019, 123, 241802.	2.9	18
351	First branching fraction measurement of the suppressed decay $B \rightarrow \mu^+ \mu^-$ . Physical Review D, 2020, 102.	1.6	18
352	Simultaneous determination of CKM angle $\hat{\Gamma}^3$ and charm mixing parameters. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
353	Progress with the single-sided module prototypes for the ATLAS tracker upgrade stave. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 636, S90-S96.	0.7	17
354	Measurement of the effective $B \rightarrow \mu^+ \mu^-$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 349-356.	1.7	17
355	Observation of $B^0 \rightarrow \mu^+ \mu^-$ mixing and measurement of mixing frequencies using semileptonic B decays. European Physical Journal C, 2013, 73, .	1.4	17
356	Measurement of the effective $B \rightarrow \mu^+ \mu^-$ lifetime. Nuclear Physics B, 2013, 873, 17-27.	0.9	17
357	Measurement of the polarization amplitudes in $B \rightarrow \mu^+ \mu^-$ decays. Nuclear Physics B, 2013, 873, 17-27.	0.9	17
358	Measurement of the polarization amplitudes in $B \rightarrow \mu^+ \mu^-$ decays. Nuclear Physics B, 2013, 873, 17-27.	0.9	17
359	Radiation damage in the LHCb vertex locator. Journal of Instrumentation, 2013, 8, P08002-P08002.	0.5	17
360	Measurement of the $B \rightarrow \mu^+ \mu^-$ violation in $B \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2014, 112, 111802.	2.9	17

#	ARTICLE	IF	CITATIONS
361	Search for the decay $B_s^0 \rightarrow D^0 \gamma$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
362	Study of the rare $B \rightarrow B^0 \gamma$ and $B^0 \rightarrow B^0 \gamma$ decays into the $\bar{c}c$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 46-55.	1.5	17
363	Measurement of indirect CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{c}c$ decays using semileptonic B decays. Journal of High Energy Physics, 2015, 2015, .	1.6	17
364	Observation of $\bar{b} \rightarrow b \gamma$ and $b \rightarrow b \gamma$ decays and a measurement of the $\bar{b} \rightarrow b \gamma$ baryon magnetic moment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
365	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17
366	Study of charmonium production in $B \rightarrow B^0 \gamma$ hadron decays and first evidence for the decay $B^0 \rightarrow \phi \phi \phi$ . European Physical Journal C, 2017, 77, 609.	1.4	17
367	Improved limit on the branching fraction of the rare decay $B^0 \rightarrow \mu^+ \mu^- \gamma$ . European Physical Journal C, 2017, 77, 678.	1.4	17
368	Observation of the $B^0 \rightarrow K^+ K^- \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
369	Measurement of the $B_{\pm}^0$ production cross-section in pp collisions at $\sqrt{s} = 7$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, .	1.6	17
370	Search for the rare decay $B \rightarrow B^0 \gamma$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
371	Measurement of the $B \rightarrow B^0 \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
372	Measurement of the $B \rightarrow B^0 \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
373	Measurement of the $B \rightarrow B^0 \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
374	Measurement of the $B \rightarrow B^0 \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17

#	ARTICLE	IF	CITATIONS
379	Search for the Rare Decays $B \rightarrow \mu^+ \mu^- s$ . Physical Review Letters, 2020, 124, 211802.	2.9	16
380	Measurement of $\Lambda_c^+$ production in pp collisions at $\sqrt{s} = 13.6$ TeV *. Chinese Physics C, 2020, 44, 022001.	1.5	16
381	Observation of the suppressed ADS modes $B \rightarrow \mu^+ \mu^- s$ . Physical Review Letters, 2020, 124, 122002.	1.5	15
382	Measurement of the polarization asymmetries and triple product asymmetries in the $B \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2020, 2020, 1.	2.9	15
383	First Measurement of the Charge Asymmetry in Beauty-Quark Pair Production. Physical Review Letters, 2014, 113, 082003.	1.5	15
384	Measurement of CP violation parameters and polarisation fractions in $B \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2015, 2015, 1.	2.9	15
385	Differential branching fraction and angular moments analysis of the decay $B \rightarrow K^+ K^- \mu^+ \mu^-$ in the $K_S^0$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
386	Measurement of $B \rightarrow D^+ \mu^- s$ and $B \rightarrow D^0 \mu^- s$ decays. Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
387	Observation of the suppressed decay $B \rightarrow \mu^+ \mu^- p \bar{p}$ . Journal of High Energy Physics, 2017, 2017, 1.	2.9	15
388	First Observation of the Rare Purely Baryonic Decay $B \rightarrow \mu^+ p \bar{p}$ . Physical Review Letters, 2017, 119, 232001.	2.9	15
389	Search for excited $B_c^+$ states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
390	Measurement of CP observables in $B \rightarrow D^0 K^+ K^-$ and $B \rightarrow D^0 K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.5	15
391	Measurement of the Charm-Mixing Parameter $\gamma_{CP}$ . Physical Review Letters, 2019, 122, 011802.	2.9	15
392	Variation with Proton-Proton Collision Energy and $B \rightarrow \mu^+ \mu^- s$ decays. Physical Review Letters, 2020, 124, 122002.	2.9	15
393	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ , $W^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
394	Measurement of the polarization asymmetries and triple product asymmetries in the $B \rightarrow \mu^+ \mu^- s$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.5	14
395	Search for CP violation in $D \rightarrow \mu^+ \mu^- K^+$ and $D \rightarrow \mu^+ \mu^- K^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
396			

#	ARTICLE	IF	CITATIONS
397	Study of $B_{(s)}^0 K_{\text{charm}}^0$ decays with first observation of $B_{(s)}^0 K_{\text{charm}}^0$ and $B_{(s)}^0 K_{\text{charm}}^0$ . Journal of High Energy Physics, 2013, 2013, .	1.6	14
398	A study of the Z production cross-section in pp collisions at $\sqrt{s}=7, \text{TeV}$ using tau final states. Journal of High Energy Physics, 2013, 2013, 1. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	1.6	14
399	Measurement of CP violation parameters in $B \rightarrow D^* K$ decays. Physical Review D, 2014, 90, .	1.6	14
400	Measurement of the $B^0$ Meson Lifetime in $D_s^+ \rightarrow B^0 K^+$ Decays. Physical Review Letters, 2014, 113, 172001.	2.9	14
401	Observation of charmonium pairs produced exclusively in $pp$ collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115002.	1.4	14
402	Measurement of CP asymmetry in $B_s^0 \rightarrow D^{\pm} K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
403	Study of CP violation in $B^0 \rightarrow D^{\pm} K^{\mp}$ ( $h=K, \bar{K}$ ) with the modes $D^0 \rightarrow K^{\pm} \pi^{\mp}$ and $D^0 \rightarrow K^{\pm} \pi^{\mp}$ . Physical Review D, 2015, 91, .	1.6	14
404	Measurement of the branching fraction ratio $B(B_c \rightarrow \tau^+ \nu_{\tau}) / B(B_c \rightarrow \tau^+ \nu_{\tau})$ . Physical Review D, 2015, 92, .	1.6	14
405	Measurement of the inelastic pp cross-section at a centre-of-mass energy of $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
406	Observation of the $B^0 \rightarrow D^{\pm} K^{\mp}$ decay from an amplitude analysis of $B^0 \rightarrow D^{\pm} K^{\mp}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 468-478.	1.5	14
407	Observation of the $B^0 \rightarrow D^{\pm} K^{\mp}$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 282-292.	1.5	14
408	Study of $\bar{\nu}(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
409	First Observation of a Baryonic $B^0 \rightarrow D^{\pm} K^{\mp}$ decay. Physical Review Letters, 2017, 119, 041802.	1.6	14
410	Mapping the material in the LHCb vertex locator using secondary hadronic interactions. Journal of Instrumentation, 2018, 13, P06008-P06008.	0.5	14
411	Measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow D^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
412	Amplitude Analysis of the Decay $B^0 \rightarrow D^{\pm} K^{\mp}$ and First Observation of the CP Asymmetry in $B^0 \rightarrow D^{\pm} K^{\mp}$ . Physical Review Letters, 2018, 120, 261801.	2.9	14
413	Prompt $\bar{b} + c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
414	Constraints on the $B^0 \rightarrow D^{\pm} K^{\mp}$ decay. Physical Review Letters, 2020, 125, 231801.		

#	ARTICLE	IF	CITATIONS
415	Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
416	Search for CP violation in $\Xi_{c}^{\pm} \rightarrow p \bar{K}^{\pm} \pi^{\pm}$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
417	Beamtest of nonirradiated and irradiated ATLAS SCT microstrip modules at KEK. IEEE Transactions on Nuclear Science, 2002, 49, 1868-1875.	1.2	13
418	The integration and engineering of the ATLAS SemiConductor Tracker Barrel. Journal of Instrumentation, 2008, 3, P10006-P10006.	0.5	13
419	Measurement of the ratio of branching fractions $\frac{\mathcal{B}(B \rightarrow 0 \hat{+})}{\mathcal{B}(B \rightarrow 0 \hat{+})}$		



#	ARTICLE	IF	CITATIONS
433	Study of $\hat{\Gamma} \hat{\Gamma}^2$ mixing from measurement of $B(s) \rightarrow 0 \hat{\Gamma} \hat{\Gamma}^2$ decay rates. Journal of High Energy Physics, 2015, 2015, .	1.6	13
434	Measurement of the ratio of branching fractions $\hat{\Gamma}_{B \rightarrow B c + \hat{\Gamma} J} / \hat{\Gamma}_{B \rightarrow B c + \hat{\Gamma} J}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
435	Measurement of the mass and lifetime of the $\Lambda_b^0$ baryon. Constraints on the unitarity triangle angle $\beta$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
436	Constraints on the unitarity triangle angle $\beta$ from Dalitz plot analysis of $B \rightarrow D^0 \pi^0$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
437	Study of $D_{s1}^* \rightarrow D^0 K^0$ and $D_{s1}^* \rightarrow D^0 K^+$ decays. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
438	Model-independent measurement of mixing parameters in $D^0 \rightarrow K^0 \pi^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	13
439	First observation of the decay $D^0 \rightarrow K^0 \pi^0$ in the $10 \leq m_{\pi^0 \pi^0} \leq 14$ MeV region of the dimuon mass spectrum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 558-567.	1.5	13
440	Measurement of $B_0 \rightarrow B^+ \pi^-$ and $B^0 \rightarrow B^+ \pi^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.5	13
441	Measurement of CP asymmetry in $B_0 \rightarrow D^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
442	Search for CP violation in $B_0 \rightarrow D^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	1.8	13
443	Measurement of $\tilde{\chi}^0$ production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
444	Measurement of Angular and Asymmetries in $B \rightarrow D^0 \pi^0$ decays. Physical Review Letters, 2018, 121, 091801.	2.9	13
445	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. Physical Review Letters, 2020, 124, 161802.	2.9	13
446	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \mu^+ \nu_\mu$ using $B^0 \rightarrow K^0 \pi^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
447	Search for the doubly heavy $\Xi_{bc}^0$ baryon via decays to $D^0 p K^+$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
448	Precision scans of the Pixel cell response of double sided 3D Pixel detectors to pion and X-ray beams. Journal of Instrumentation, 2011, 6, P05002-P05002.	0.5	12
449	First Observation of the Decays $B^0 \rightarrow D^+ K^- \pi^0$ and $B^0 \rightarrow D^0 K^+ \pi^-$ . Physical Review Letters, 2012, 108, 161801.	1.6	12
450	Branching fraction and CP asymmetry of the decays $B^0 \rightarrow D^+ K^- \pi^0$ and $B^0 \rightarrow D^0 K^+ \pi^-$ . Physics Letters, 2012, 271, 157-160.	1.5	12



#	ARTICLE	IF	CITATIONS
451	Studies of the decays $B \rightarrow \pi^+ \rho^0 \pi^-$ and observation of $B \rightarrow \pi^+ \rho^0 \pi^- (1520)$ . Physical Review D, 2013, 88, .	1.6	12
452	Measurement of the charge asymmetry in $B \rightarrow \pi^+ \rho^0 \pi^-$ . Physical Review D, 2013, 88, . Measurement of CP asymmetries and polarisation fractions in $B \rightarrow \pi^+ \rho^0 \pi^-$ . Journal of High Energy Physics, 2015, 2015, 1.	1.5	12
453	Measurement of the time-dependent CP asymmetries in $B \rightarrow \pi^+ \rho^0 \pi^-$ . Journal of High Energy Physics, 2015, 2015, .	1.6	12
454	A new algorithm for identifying the flavour of $B$ mesons at LHCb. Journal of Instrumentation, 2016, 11, P05010-P05010.	0.5	12
455	Measurement of $B \rightarrow \pi^+ \rho^0 \pi^-$ violation in $B \rightarrow \pi^+ \rho^0 \pi^-$ decays. Physical Review Letters, 2016, 117, 261801.	2.9	12
456	Search for $B_c \rightarrow \pi^+ \rho^0 \pi^-$ decays to the $\pi^+ \rho^0 \pi^-$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 313-321.	1.5	12
457	Observation of $B_c \rightarrow \pi^+ \rho^0 \pi^-$ decays. Physical Review D, 2017, 95, .	1.6	12
458	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
459	Measurement of the inelastic $pp$ cross-section at a centre-of-mass energy of 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
460	Amplitude analysis of $B \rightarrow \pi^+ \rho^0 \pi^-$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
461	Measurement of the meson production fraction and asymmetry in 7 and 13 TeV $pp$ collisions. Physical Review D, 2019, 100, .	1.6	12
462	Study of $B \rightarrow \pi^+ \rho^0 \pi^-$ and $B \rightarrow \pi^+ \rho^0 \pi^-$ decays. Physical Review D, 2013, 87, .	1.6	11
463	Effective lifetime measurements in the $B \rightarrow \pi^+ \rho^0 \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 446-454.	1.6	11
464	Observation of associated production of a Z boson with a D meson in the forward region. Journal of High Energy Physics, 2014, 2014, .	1.6	11
465	Search for the decay $B \rightarrow \pi^+ \rho^0 \pi^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 234-243.	1.6	11
466	Measurement of the $B \rightarrow \pi^+ \rho^0 \pi^-$ branching fraction and search for the decay $B \rightarrow \pi^+ \rho^0 \pi^-$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
467	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	1.4	11

#	ARTICLE	IF	CITATIONS
469	Measurements of charm mixing and $C \rightarrow P$ violation using $D \rightarrow K \pm A_{\pm}$ decays. Physical Review D, 2017, 95, .	1.6	11
470	Observation of the decay $B^0 \rightarrow K^+ K^-$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
471	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
472	First measurement of the CP-violating phase $\phi_{s^*}$ in $B^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
473	Search for CP violation using triple product asymmetries in $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
474	First observation of $B^0 \rightarrow K^+ K^-$ decays and a search for $B^0 \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	11
475	Amplitude analysis of the $B^0 \rightarrow K^+ K^-$ decays and measurement of the branching fraction of the $B^0 \rightarrow K^+ K^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
476	Measurements of CP asymmetries in charmless four-body $\Lambda_b^0$ and $\Xi_b^0$ decays. European Physical Journal C, 2019, 79, 1.	1.4	11
477	Search for the rare decay $B^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ . European Physical Journal C, 2019, 79, 1.	1.4	11
478	A search for $\Xi_{cc}^{++}$ $\rightarrow D^+ p K^+ \pi^+$ decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
479	Measurement of the $\Lambda_b^0$ angular distribution and the $\Lambda_b^0$ polarisation in pp collisions. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
480	Precise determination of the $B_s^0$ oscillation frequency. Nature Physics, 2022, 18, 1-5.	6.5	11
481	Study of $Z \rightarrow B^0 \bar{B}^0$ Bosons Produced in Association with Charm in the Forward Region. Physical Review Letters, 2022, 128, 082001.	2.9	11
482	Performance of the LHCb vertex detector alignment algorithm determined with beam test data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 596, 164-171.	0.7	10
483	The LHCb VELO upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 636, S185-S193.	0.7	10
484	First observation of the decays $B^0 \rightarrow D_s^+ K^-$ and $B^0 \rightarrow D_s^+ K^-$ . Physical Review D, 2012, 86, 1-6	1.6	10
485	Measurement of the effective $B^0$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 393-400.	1.6	10
486	First evidence for the two-body charmless baryonic decay $B^0 \rightarrow p \bar{p}$ . Journal of High Energy Physics, 2013, 2013, .	1.6	10

#	ARTICLE	IF	CITATIONS
487	Search for CP violation in the phase space of $D_0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 345-356.	1.5	10
488	Evidence for the two-body charmless baryonic decay $B \rightarrow \Lambda^0 p \bar{\Lambda}^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
489	Study of $\overline{B} \rightarrow B$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
490	Observation of $B \rightarrow D^* \pi^+ \pi^-$ . Physical Review D, 2018, 98, .	1.6	10
491	Search for a dimuon resonance in the $\bar{B}^0$ mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
492	Measurements of the branching fractions of $\bar{B}^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ , $\bar{B}^0 \rightarrow \pi^+ \pi^- K^+ K^-$ , and $\bar{B}^0 \rightarrow \pi^+ \pi^- K^+ K^0$ . Journal of High Energy Physics, 2018, 2018, .	1.6	10
493	Measurement of branching fractions of charmless four-body $\bar{B}^0 \rightarrow b \bar{0}$ and $\bar{B}^0 \rightarrow \bar{b} 0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
494	Dalitz plot analysis of the $D^+ \rightarrow \pi^+ K^+ K^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
495	Measurement of $C \rightarrow P$ -Violating and Mixing-Induced Observables in $B \rightarrow C \pi^+ \pi^-$ Decays. Physical Review Letters, 2019, 123, 232001.	2.9	10
496	Measurement of Charged Hadron Production in $Z \rightarrow \text{tagged jets}$ in Proton-Proton Collisions at $\sqrt{s} = 8.16$ TeV. Physical Review Letters, 2019, 123, 232001.	2.9	10
497	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physical Review Letters, 2020, 125, 212001.	2.9	10
498	Search for $C \rightarrow P$ violation and observation of $P \rightarrow C$ violation in $B \rightarrow P \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
499	Observation of CP violation in two-body $B_{(s)}^0 \rightarrow \pi^+ \pi^-$ meson decays to charged pions and kaons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
500	Search for the doubly charmed baryon $\Xi_{cc}^+$ . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	10
501	Measurement of the Nuclear Modification Factor and Prompt Charged Particle Production in $p$ -Pb and $Pb$ -Pb Collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. Physical Review Letters, 2019, 123, 232001.	2.9	10
502	Observation of Two New Excited $\bar{B}^0$ States Decaying to $\bar{B}^0 \rightarrow b \bar{0}$ . Journal of High Energy Physics, 2021, 2021, 1.	2.9	10
503	Latest beam test results from RICH prototypes using hybrid photo detectors and multi anode PMTs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 159-163.	0.7	9
504	First observation of the decay $B_{(s)}^0 \rightarrow \pi^+ \pi^- K^0$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
505	First observations of the rare decays $B \rightarrow \hat{\pi}^+ K + \hat{\pi}^0 + \hat{\pi}^-$ and $B \rightarrow \hat{\pi}^+ \hat{K} + \hat{\pi}^0 + \hat{\pi}^-$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
506	Observation of the $B_s \rightarrow \hat{\pi}^+ \hat{\pi}^-$ Decay. Physical Review Letters, 2015, 115, 051801.	2.9	9
507	Search for the $\hat{b} \rightarrow \hat{u} \hat{c} \hat{c}^* \hat{u}^*$ and $\hat{b} \rightarrow \hat{u} \hat{c} \hat{c}^* \hat{d}^*$ decays with the LHCb detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
508	Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
509	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B \rightarrow D K^* \rightarrow 0$ decays with $B \rightarrow D K^* \rightarrow 0$ and $B \rightarrow D K^* \rightarrow 0$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
510	Search for the suppressed decays $B \rightarrow \hat{\pi}^+ K + \hat{\pi}^0 + \hat{\pi}^-$ and $B \rightarrow \hat{\pi}^+ \hat{K} + \hat{\pi}^0 + \hat{\pi}^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
511	Observation of the Decay $\hat{B} \rightarrow \hat{\pi}^+ \hat{K}^* \hat{K}^*$ . Physical Review Letters, 2017, 118, 071801.	2.9	9
512	Measurement of CP violation in $B \rightarrow \hat{\pi}^+ \hat{\pi}^-$ and $B \rightarrow \hat{\pi}^+ \hat{\pi}^- (2S)$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	9
513	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
514	Measurement of the $\Upsilon(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
515	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	1.4	9
516	Observation of the decay $B_s \rightarrow D^* K^* K^*$ . Physical Review D, 2018, 98, .	1.6	9
517	Search for CP Violation in $D_s \rightarrow K^* K^* K^*$ , $D \rightarrow K^* K^* K^*$ , and $D \rightarrow \hat{\pi}^+ \hat{\pi}^- K^*$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
518	Observation of $B \rightarrow \hat{\pi}^+ \hat{\pi}^- K^*$ decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
519	Study of $B \rightarrow \hat{\pi}^+ \hat{\pi}^- K^*$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
520	Search for long-lived particles decaying to $e^+ \mu^-$ or $e^- \mu^+$ . European Physical Journal C, 2021, 81, 1.	1.4	9
521	Measurement of $B \rightarrow \hat{\pi}^+ \hat{\pi}^- K^*$ violation in the Decay $B \rightarrow \hat{\pi}^+ \hat{\pi}^- K^*$ . Physical Review Letters, 2021, 126, 091802.	2.9	9
522	Measurement of CP observables in $B_{\pm} \rightarrow D^* K^*$ and $B_{\pm} \rightarrow D^* \hat{K}^*$ decays using two-body D final states. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
523	Observation of new excited $B_c^0$ states. European Physical Journal C, 2021, 81, .	1.4	9
524	Search for time-dependent $C \rightarrow P$ violation in $D^0$ decay. Physical Review D, 2021, 104, .	1.6	9
525	Measurement of prompt charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	9
526	Observation of the $B_s^0 \rightarrow K^0 K^{\pm} \bar{K}^{\pm}$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
527	Search for the rare decays $B^0 \rightarrow \pi^0 \pi^0$ and $B_s^0 \rightarrow \pi^0 \pi^0$ . Physical Review D, 2015, 92, .	1.6	8
528	Measurement of the CKM angle $\hat{\Gamma}^3$ using $B^0 \rightarrow DK^*0$ with $D^0 \rightarrow K^0 \bar{K}^0 + \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2016, 2016, .	1.6	8
529	Observation of the $B_s^0 \rightarrow \pi^0 \pi^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
530	Observation of charmless baryonic decays $B \rightarrow p \pi^0$ and $B \rightarrow p \pi^{\pm} \pi^{\mp}$ . Physical Review D, 2017, 95, 072004.	1.6	8
531	Measurement of CP asymmetries in $D_{s1}^{\pm} \rightarrow \pi^{\pm} \bar{K}^0$ and $D_{s1}^{\pm} \rightarrow \pi^{\pm} \bar{K}^{\pm}$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 21-30.	1.5	8
532	Observation of the decay $\bar{B}^0 \rightarrow \pi^0 \pi^0$ (2S). Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
533	Search for $B_c^+$ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	0.9	8
534	Observation of the decay $\bar{B}^0 \rightarrow \pi^0 \pi^0$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	1.5	8
535	Precision measurement of the $B_c^+$ meson mass. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
536	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$ decays. Physical Review D, 2020, 101, .	1.6	8
537	Search for the doubly charmed baryon $\chi_{cc}^+$ in the $\chi_{cc}^+ \rightarrow \pi^+ \pi^0$ final state. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
538	SEU rate estimates for the ATLAS/SCT front-end ASIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 515, 415-421.	0.7	7
539	First spatial alignment of the LHCb VELO and analysis of beam absorber collision data. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 618, 108-120.	0.7	7
540	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7



#	ARTICLE	IF	CITATIONS
541	Searches for $B_{(s)}^0 \rightarrow J/\psi K_S$ and $B \rightarrow J/\psi K_S$ decays. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	7
542	Search for the decay $B_s^0 \rightarrow D^* \bar{K}^0$ . <i>Physical Review D</i> , 2013, 87, .	1.6	7
543	Edge pixel response studies of edgeless silicon sensor technology for pixellated imaging detectors. <i>Journal of Instrumentation</i> , 2015, 10, P03018-P03018.	0.5	7
544	First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow \bar{D}^* K^0$ . <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	7
545	Search for the CP-violating strong decays $B \rightarrow \bar{D}^* K^0$ and $B \rightarrow \bar{D}^* K^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 764, 233-240.	1.5	7
546	Measurement of forward $B \rightarrow \bar{D}^* K^0$ decays. <i>Physical Review D</i> , 2017, 95, 072004.	1.5	7
547	Observation of $B \rightarrow \bar{D}^* K^0$ and $B \rightarrow \bar{D}^* K^0$ decays. <i>European Physical Journal C</i> , 2017, 77, 72.	1.4	7
548	Measurement of CP observables in $B \rightarrow \bar{D}^* K^0$ decays using two- and four-body D final states. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	7
549	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 S$ decays. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	7
550	Search for weakly decaying $b$ -flavored pentaquarks. <i>Physical Review D</i> , 2018, 97, .	1.6	7
551	Study of the $B^0 \rightarrow \bar{D}^* K^0$ decay with an amplitude analysis of $B^0 \rightarrow \bar{D}^* (K^0)$ decays. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	7
552	Observation of the $\Lambda_b^0 \rightarrow \bar{D}^* K^0$ (3872) $p \bar{K}^0$ decay. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	7
553	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \bar{K}^0$ decays. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	7
554	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019, 14, P11023-P11023.	0.5	7
555	Measurement of the shape of the $B \rightarrow D^* K^0$ differential decay rate. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	7
556	Search for CP violation in time-integrated $D^0 \rightarrow \bar{D}^* K^0$ decay rates [Phys. Rev. Lett. 108, 111602 (2012)]. <i>Physical Review Letters</i> , 2012, 108, .	2.9	6
557	Measurement of CP observables in $B^0 \rightarrow \bar{D}^* K^0$ with $D^+ \rightarrow K^+ K^0$ . <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	6
558	Characterisation of edgeless technologies for pixellated and strip silicon detectors with a micro-focused X-ray beam. <i>Journal of Instrumentation</i> , 2013, 8, P01018-P01018.	0.5	6



#	ARTICLE	IF	CITATIONS
559	Study of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review D, 2015, 92, .	1.6	6
560	Determination of the branching fractions of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
561	Measurement of the $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 484-492.	1.5	6
562	Observation of $B \rightarrow D^* K^0$ and Evidence for $B \rightarrow D^* K^+$ decays. Physical Review Letters, 2016, 116, 161802.	1.6	6
563	Measurement of the $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review D, 2017, 95, .	1.6	6
564	Search for Baryon-Number Violating $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review Letters, 2017, 119, 181807.	1.6	6
565	Updated branching fraction measurements of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Journal of High Energy Physics, 2017, 2017, .	1.6	6
566	Observation of the decay $B \rightarrow D^* K^0$ and evidence for $B \rightarrow D^* K^+$ . Journal of High Energy Physics, 2017, .	1.6	6
567	Measurement of $Z \rightarrow \tau^+ \tau^-$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
568	Measurement of the CP-violating phase $\beta$ from $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physics Letters, Sec	1.5	6
569	Measurement of CP violation in the $B \rightarrow D^* K^0$ decay and search for the $B \rightarrow D^* K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
570	Measurement of the CKM angle $\beta$ in $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays with $D^* \rightarrow K^0 \pi^+$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
571	Measurements of $\langle \sigma \rangle$ and $\langle \sigma \rangle$ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	6
572	Measurement of the branching fraction of the $B \rightarrow D^* K^0$ decay. European Physical Journal C, 2021, 81, 1.	1.4	6
573	Search for $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review D, 2020, 102, .	1.6	6
574	Measurement of the relative branching fractions of $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review D, 2020, 102, .	1.6	6
575	Measurement of $\tau \rightarrow \mu \nu$ production in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
576	Measurement of the photon polarization in $B \rightarrow D^* K^0$ and $B \rightarrow D^* K^+$ decays. Physical Review D, 2022, 105, .	1.6	6

#	ARTICLE	IF	CITATIONS
577	A prototype RICH detector using multi-anode photo multiplier tubes and hybrid photo-diodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 456, 233-247.	0.7	5
578	Engineering for the ATLAS SemiConductor Tracker (SCT) End-cap. Journal of Instrumentation, 2008, 3, P05002-P05002.	0.5	5
579	First observation of the rare $B \rightarrow D^* K^* \ell^+ \ell^-$ decay. Physical Review D, 2016, 93, .	1.6	5
580	Measurement of the $B_s \rightarrow D_s^* D_s^* \ell^+ \ell^-$ branching fractions. Physical Review D, 2016, 93, .	1.6	5
581	First observation of the decay $B \rightarrow D^* K^* S^0 K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1. 5		
582	Measurement of $D^*_{\pm}$ s production asymmetry in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
583	Measurement of the ratio of branching fractions of the decays $B \rightarrow D^* K^* (2S) \ell^+ \ell^-$ and $B \rightarrow D^* K^* \ell^+ \ell^-$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
584	Measurement of CP observables in the process $B^0 \rightarrow D^* K^* 0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
585	<a href="https://arxiv.org/abs/1908.07201">https://arxiv.org/abs/1908.07201</a> $\frac{\mathcal{B}(B \rightarrow D^* K^* \ell^+ \ell^-)}{\mathcal{B}(B \rightarrow D^* K^* \ell^+ \ell^-)}$		

#	ARTICLE	IF	CITATIONS
595	Measurement of CP observables in $B_{\pm} \hat{\rightarrow} DK_{\pm}$ and $B_{\pm} \hat{\rightarrow} D\bar{K}_{\pm}$ with $D \hat{\rightarrow} \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
596	Measurement of differential b- and c-dijet cross-sections in the forward region of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
597	Measurement of the CKM angle $\hat{\beta}$ and $B_{\pm} \hat{\rightarrow} D_{\pm} \pi^0$ mixing frequency with $B_{\pm} \hat{\rightarrow} D_{\pm} \pi^0$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
598	Observation of a $\Lambda_b^0$ production asymmetry in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
599	Observation of the semileptonic decay $B^+ \rightarrow \rho^+ \mu^+ \mu^-$ . Journal of High Energy Physics, 2020, 2020, .	1.6	4
600	Search for the radiative $\Xi_b^- \hat{\rightarrow} \bar{\Lambda}^0 \gamma$ decay. Journal of High Energy Physics, 2022, 2022, 1. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	1.6	4
601	Observation of the suppressed $B^0 \hat{\rightarrow} D^+ \pi^-$ decay with $B^0 \hat{\rightarrow} D^+ \pi^-$ decay. Journal of High Energy Physics, 2022, 2022, 1. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a>	1.6	4
602	The ATLAS Semiconductor Tracker overview and status. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 494, 102-106.	0.7	3
603	First Beam Test Characterisation of a 3D-stc Silicon Short Strip Detector. IEEE Transactions on Nuclear Science, 2009, 56, 3834-3839.	1.2	3
604	First results from the HEPAPS4 active pixel sensor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 64-66.	0.7	3
605	Synchrotron tests of 3D Medipix2 and TimePix X-ray detectors. , 2009, , .		3
606	Search for the $B_s^0 \hat{\rightarrow} \Lambda^0 \pi^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
607	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B^+ \hat{\rightarrow} \pi^+ \pi^0$ and $B^+ \hat{\rightarrow} \pi^+ \pi^+$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
608	Measurement of the branching fraction and CP asymmetry in $B^+ \hat{\rightarrow} \rho^+ \pi^0$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
609	Measurement of the relative $B^0 \hat{\rightarrow} D^0 D^{*0} D^{*0}$ branching fractions using $B^0$ mesons from $B^0 \hat{\rightarrow} D^0 D^{*0}$ decays. Physical Review D, 2019, 99, .	1.6	3
610	Measurement of the branching fraction of the decay $B^0 \hat{\rightarrow} D^+ \pi^-$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
611	Measurement of the branching fraction of the decay $B^0 \hat{\rightarrow} D^+ \pi^-$ . Physical Review D, 2020, 102, .	1.6	3
612	Searches for 25 rare and forbidden decays of $D^+$ and $D_s^+$ mesons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3

#	ARTICLE	IF	CITATIONS
613	Measurement of $C \rightarrow P$ asymmetry in $D^0$ and $D^{\pm}$ decays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 72-75.	1.6	3
614	The LHCb vertex locator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 72-75.	0.7	2
615	Characterisation of HEPAPS4: A family of CMOS active pixel sensors for charged particle detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 404-407.	0.7	2
616	3D silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 234-237.	0.7	2
617	The LHCb VELO Upgrade. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1079-1083.	0.2	2
618	First observation of forward $Z\tau^+b\bar{b}$ production in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
619	Measurement of the CP asymmetry in $B^0 \rightarrow \tau^+ \tau^- D^0$ and $B^0 \rightarrow \tau^+ \tau^- D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
620	Observation of the doubly Cabibbo-suppressed decay $\bar{B}^0 \rightarrow \tau^+ \tau^- D^0$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	2
621	Observation of the $B^0 \rightarrow \tau^+ \tau^- D^0$ decay. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
622	Search for the rare decay $B^0 \rightarrow \tau^+ \tau^- D^0$ . Chinese Physics C, 2021, 45, 043001.	1.5	2
623	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=13$ TeV. , 2016, 2016, 1.		2
624	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ ; {TeV} ). , 2012, 2012, 1.		2
625	Measurements of the S-wave fraction in $B^0 \rightarrow K^+ K^- \tau^+ \tau^-$ and the $B^0 \rightarrow K^+ K^- (892)^0 \tau^+ \tau^-$ differential branching fraction. , 2016, 2016, 1.		2
626	Measurement of CP violation in $B^0 \rightarrow D^{\pm} D^{\mp}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
627	First measurement of the CP-violating phase in $B^0 \rightarrow \tau^+ \tau^- D^0$ . , 2014, 2014, 1.	1.4	2
628	Identification of charm jets at LHCb. Journal of Instrumentation, 2022, 17, P02028.	0.5	2
629	Search for massive long-lived particles decaying semileptonically at $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, .	1.4	2
630	The LHCb VELO: status and upgrade developments. IEEE Transactions on Nuclear Science, 2006, 53, 1689-1693.	1.2	1

#	ARTICLE	IF	CITATIONS
631	Evaluation of MCM-D technology for silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 162-164.	0.7	1
632	Evaluating the influence of MCM-D post-processing on silicon microstrip sensors. Journal of Instrumentation, 2013, 8, P08003-P08003.	0.5	1
633	LHCb Collaboration. Nuclear Physics A, 2014, 932, 621-626.	0.6	1
634	Physics benchmarks of the VELO upgrade. Journal of Instrumentation, 2016, 11, C12066-C12066.	0.5	1
635	LHCb Collaboration. Nuclear Physics A, 2017, 967, 987-993.	0.6	1
636	Radiation Damage Effects and Operation of the LHCb Vertex Locator. IEEE Transactions on Nuclear Science, 2018, 65, 1127-1132.	1.2	1
637	Observation of the decay $\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$ in the $\overline{B}$ mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
638	Observation of the $\overline{B}_s^0 \rightarrow c + K + \overline{K}^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	1.5	1
639	Observation of the decay $\Lambda_b^0 \rightarrow \Lambda^0 p \overline{K}^0$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
640	Angular analysis of $\overline{B}_s^0 \rightarrow D_s^{*+} D_s^{*-} \gamma$ with $D_s^{*+} \rightarrow D_s^+ \gamma$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
641	Simulation and Optimization Studies of the LHCb Beetle Readout ASIC and Machine Learning Approach for Pulse Shape Reconstruction. Sensors, 2021, 21, 6075.	2.1	1
642	Readout Firmware of the Vertex Locator for LHCb Run 3 and Beyond. IEEE Transactions on Nuclear Science, 2021, 68, 2472-2479.	1.2	1
643	Measurement of branching fraction ratios for $B^+ \rightarrow D^{*+} D^0 K^+$ , $B^+ \rightarrow D^{*+} D^0 K^+$ , and $B^0 \rightarrow D^{*+} D^0 K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	1.6	1
644	Beamtest of non-irradiated and irradiated ATLAS SCT microstrip modules at KEK. , 0, , .		0
645	LHCb vertex locator, overview and recent progress. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 25-28.	0.7	0
646	Evaluation of silicon Monolithic APS as a neutron detector. , 2008, , .		0
647	Silicon microstrip detectors in 3D technology for the sLHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 17-20.	0.7	0
648	First particle results for the HEPAPS4 characterisation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 262-264.	0.7	0



#	ARTICLE	IF	CITATIONS
649	Efficiency measurements for 3D silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 180-182.	0.7	0
650	Characterisation of Glasgow/CNM Double-Sided 3D Sensors. Physics Procedia, 2012, 37, 1016-1023.	1.2	0
651	B-hadron lifetime measurements from CMS, DO and LHCb. , 2013, , .		0
652	First observation of the decay $b \rightarrow c \tau \bar{\nu}_\tau$	1.6	0
653	Updated search for $B_c^+$ decays to two charm mesons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	0