

# Matteo Negrini

## List of Publications by Year in descending order

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Version: 2024-02-01

940  
papers

42,277  
citations

2963

93  
h-index

8138

148  
g-index

964  
all docs

964  
docs citations

964  
times ranked

11274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heavy quarkonium: progress, puzzles, and opportunities. European Physical Journal C, 2011, 71, 1.	1.4	1,324
2	Observation of a Broad Structure in the $J/\psi$ Mass Spectrum around $4.26 \text{ GeV}/c^2$ . Physical Review Letters, 2005, 95, 142001.	2.9	650
3	Observation of a Narrow Meson State Decaying to $D_s^0$ at a Mass of $2.32 \text{ GeV}/c^2$ . Physical Review Letters, 2003, 90, 242001.	2.9	603
4	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
5	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2016, 76, 292.	1.4	453
6	Searches for Lepton Flavor Violation in the Decays $B \rightarrow K^* \mu^+ \mu^-$ . Physical Review Letters, 2010, 104, 021802.	2.9	421
7	Study of the $B \rightarrow K^* \mu^+ \mu^-$ decay and measurement of the $B \rightarrow K^* X(3872) K^*$ branching fraction. Physical Review D, 2005, 71, .	1.6	375
8	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
9	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
10	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 581.	1.4	298
11	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
12	Luminosity determination in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
13	Measurement of the form factor. Physical Review D, 2009, 80, .	1.4	277
14	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and $8 \text{ TeV}$ in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
15	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
16	Evidence of a Broad Structure at an Invariant Mass of $4.32 \text{ GeV}/c^2$ in the Reaction $e^+e^- \rightarrow \psi(2S)$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	2.9	247
17	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
18	Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	1.4	218

#	ARTICLE	IF	CITATIONS
19	Precise Measurement of the $\tau \rightarrow e \nu_e \nu_\tau$ Decay. <i>Physical Review Letters</i> , 2009, 103, 231801.	1.4	213
20	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014, 74, 3130.	1.4	209
21	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7$ TeV recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013, 73, 2306.	1.4	207
22	Study of $e^+e^- \rightarrow \tau^+\tau^-$ using initial state radiation with BABAR. <i>Physical Review D</i> , 2006, 73, .	1.6	205
23	Evidence for $D^0$ - $\bar{D}^0$ Mixing. <i>Physical Review Letters</i> , 2007, 98, 211802.	2.9	204
24	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014, 74, 2941.	1.4	197
25	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in $pp$ collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 45.	1.4	181
26	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 903.	1.4	175
27	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	174
28	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 476.	1.4	173
29	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	168
30	Search for new high-mass phenomena in the dilepton final state using 36 fb $^{-1}$ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	167
31	Direct CP Violating Asymmetry in $B^0 \rightarrow K^+ K^-$ Decays. <i>Physical Review Letters</i> , 2004, 93, 131801.	2.9	163
32	Measurements of $K^+ K^-$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2008, 77, .	1.6	154
33	Measurement of the transverse momentum and $\phi^*_{\eta}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 291.	1.4	153
34	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\gamma \rightarrow \mu^+ \mu^-$ . <i>Physical Review Letters</i> , 2009, 103, 081803.	2.9	140
35	Evidence for the decay $X \rightarrow e^+ e^-$ . <i>Physical Review D</i> , 2010, 82, .	1.4	130
36			

#	ARTICLE	IF	CITATIONS
37	Measurement of double charmonium production in $e^+e^-$ annihilations at $\sqrt{s}=10.6$ GeV. Physical Review D, 2005, 72, .	1.6	147
38	Measurement of the $B \rightarrow X s \gamma$ Branching Fraction with a Sum over Exclusive Modes. Physical Review Letters, 2004, 93, 081802.	2.9	146
39	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
40	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
41	Precision measurement and interpretation of inclusive $W^+W^-$ production. European Physical Journal C, 2017, 77, 367.	1.4	145
42	Precise measurement of the $\langle \sigma(e^+e^- \rightarrow \tau^+\tau^-) \rangle$ at $\sqrt{s} = 10.6$ GeV. Physical Review D, 2005, 72, .		

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55	Measurement of the $Z/\tilde{f}^3$ * boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131
56	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	130
57	$\sigma(e^+e^- \rightarrow \tau^+\tau^-), 2\sigma(e^+e^- \rightarrow \tau^+\tau^-)$ and $K^+K^- \rightarrow \tau^+\tau^-$ cross sections at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. Physical Review D, 2006, 73, .	1.6	128
58	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
59	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
60	Search for Lepton Flavor Violation in the Decay $\tilde{\nu}_\mu \rightarrow \tau^+ \tilde{\nu}_\tau$ . Physical Review Letters, 2005, 95, 041802.	2.9	124
61	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	124
62	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123
63	Rates, Polarizations, and Asymmetries in Charmless Vector-Vector Meson Decays. Physical Review Letters, 2003, 91, 171802.	2.9	122
64	Structure at 2175 MeV $e^+e^- \rightarrow \tau^+\tau^- f_0(980)$ observed via initial-state radiation. Physical Review D, 2006, 74, .	1.6	122
65	Search for the $Z \rightarrow \tau^+\tau^-$ decay in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.6	122
66	Observation of new resonances decaying to $D^0 \tau^+\tau^-$ and $D^+ \tau^+\tau^-$ in inclusive $e^+e^- \rightarrow \tau^+\tau^- D^0$ and $e^+e^- \rightarrow \tau^+\tau^- D^+$ decays at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. Physical Review D, 2007, 75, .	1.6	122
67	$\sigma(e^+e^- \rightarrow \tau^+\tau^-), 2\sigma(e^+e^- \rightarrow \tau^+\tau^-)$ and $K^+K^- \rightarrow \tau^+\tau^-$ cross sections at center-of-mass energies 0.5-4.5 GeV measured with initial-state radiation. Physical Review D, 2005, 71, .	1.6	119
68	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c\bar{s}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	1.4	119
69	Study of resonances in exclusive $B \rightarrow \tau^+\tau^-$ decays to $B \rightarrow \tau^+\tau^-$ decays at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. Physical Review D, 2007, 75, .	1.6	117
70	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
71	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	116
72	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116

#	ARTICLE	IF	CITATIONS
73	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8, \sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	1.4	115
74	Observation of a Charmed Baryon Decaying to $D_0$ at a Mass Near $2.94 \text{ GeV}/c^2$ . Physical Review Letters, 2007, 98, 012001.	2.9	114
75	Search for $B \rightarrow X(3872)K, X(3872) \rightarrow \dots$ . Physical Review D, 2006, 74, .	1.6	113
76	Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow \dots$	1.6	113
77	Physical Review D, 2012, 86, .		

#	ARTICLE	IF	CITATIONS
91	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
92	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210. Measurement of time-dependent $C \cdot P$ asymmetry in $B \rightarrow K^0 \pi^0$ decays	1.4	95
93	Measurement of time-dependent $C \cdot P$ asymmetry in $B \rightarrow K^0 \pi^0$ decays		



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109	Measurements of the Mass and Width of the $\hat{c}$ -Meson and of an $\hat{c}(2S)$ Candidate. Physical Review Letters, 2004, 92, 142002.	2.9	83
110	Exclusive initial-state-radiation production of the $D\hat{D}^*$ , $D^*D\hat{D}^*$ , and $D^*D\hat{D}^*$ systems. Physical Review D, 2009, 79, .	1.6	83
111	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
112	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 1.	1.4	82
113	Evidence for the $\hat{b}(1S)$ Meson in Radiative $\hat{\Upsilon}(2S)$ Decay. Physical Review Letters, 2009, 103, 161801.	2.9	81
114	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	81
115	Measurement of the prompt $J/\psi \hat{\Upsilon}$ pair production cross-section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	81
116	Observation of a narrow meson decaying to $D_s + \hat{\Upsilon}(0^3)$ at a mass of $2.458 \text{ GeV}/c^2$ . Physical Review D, 2004, 69, .	1.6	80
117	Search for a charged partner of the $X(3872)$ in the B meson decay $B \rightarrow X^* K, X^* \hat{\Upsilon} / \hat{\Upsilon} \hat{\Upsilon} \hat{\Upsilon}$ . Physical Review D, 2005, 71, .	1.6	80
118	Measurement of $D^0 \hat{D}^0$ Mixing Parameters Using $D^0 \hat{K}^0 \hat{\Upsilon}^+$ and $D^0 \hat{K}^0 K^+ \hat{K}^0$ Decays. Physical Review Letters, 2010, 105, 081803.	2.9	80
119	Search for dark matter at $\sqrt{s} = 13 \text{ TeV}$ in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	1.4	80
120	Measurement of the Cabibbo-Kobayashi-Maskawa Angle $\hat{\beta}^*$ in $B \rightarrow D^* K$ Decays with a Dalitz Analysis of $D^* \hat{\Upsilon}^+$ . Physical Review Letters, 2005, 95, 121802.	2.9	79
121	Search for production of $W^+ W^- / W Z$ resonances decaying to a lepton, neutrino and jets in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
122	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
123	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Study of excited charm-strange baryons with evidence for new baryons	1.4	79
124	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
125	Time-integrated and time-dependent angular analyses of $B \rightarrow J/\psi K^0$ : A measurement of $\langle \cos^2 \theta \rangle$ with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	1.6	77



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127	Measurement of the CKM angle $\beta$ in $B \rightarrow \pi^0 \pi^+ \pi^-$ decays in pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.6	77
128	Study of the reaction $B \rightarrow \pi^0 \pi^+ \pi^-$ in pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.6	77
129	Review D, 2014, 89, . Light-quark and gluon jet discrimination in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
130	Search for dark matter in events with heavy quarks and missing transverse momentum in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	1.4	77
131	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 166001.	1.4	77
132	Study of $B \rightarrow \pi^0 \pi^+ \pi^-$ violation in Dalitz-plot analyses of $B \rightarrow \pi^0 \pi^+ \pi^-$ decays in pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.6	77
133	Angular analysis of $B \rightarrow \pi^0 \pi^+ \pi^-$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
134	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
135	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
136	Search for resonant diboson production in the $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
137	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
138	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	1.4	73
139	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
140	Angular distributions in the decay $B \rightarrow \pi^0 \pi^+ \pi^-$ . Physical Review D, 2009, 79, .	1.6	72
141	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	72
142	Search for supersymmetry at $\sqrt{s}=13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	1.4	72
143	Measurements of the Absolute Branching Fractions of $B \rightarrow \pi^0 \pi^+ \pi^-$ . Physical Review Letters, 2006, 96, 052002.	2.9	71
144	Search For T, CP, and CPT Violation in $B \rightarrow \pi^0 \pi^+ \pi^-$ Mixing with Inclusive Dilepton Events. Physical Review Letters, 2006, 96, 251802.	2.9	71

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145	Measurement of the $\sigma(\text{pp} \rightarrow \text{e}^+ \text{e}^- \text{b} \bar{\text{b}})$ Cross Section between $\sqrt{s} = 7$ and $8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2013, 111, 171801.	2.9	71
146	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	71
147	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	71
148	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	71
149	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017, 77, 332.	1.4	71
150	Measurement of the $B \rightarrow K^* \ell^+ \ell^-$ Decay Amplitudes. <i>Physical Review Letters</i> , 2004, 93, 231804.	2.9	70
151	Measurement of the $B \rightarrow \text{pp} \bar{K}^+$ branching fraction and study of the decay dynamics. <i>Physical Review D</i> , 2005, 72, .	1.6	70
152	Direct CP and P asymmetries in the Decays $B \rightarrow \text{P} K$ , Lepton Flavor, and Isospin Asymmetries in the Decays $B \rightarrow \text{P} K$ . <i>Physical Review Letters</i> , 2004, 93, 231804.	2.9	70
153	Search for $B \rightarrow \text{P} K$ decays with $B \rightarrow \text{P} K$ decays against $B \rightarrow \text{P} K$ decays. <i>Physical Review D</i> , 2010, 81, .	1.6	70
154	Search for Low-Mass Dark-Sector Higgs Bosons. <i>Physical Review Letters</i> , 2012, 108, 211801.	2.9	70
155	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 303.	1.4	70
156	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	70
157	Evidence for direct CP violation from Dalitz-plot analysis of $B \rightarrow \text{P} K$ decays. <i>Physical Review D</i> , 2008, 78, .	1.6	69
158	Search for charged Higgs bosons decaying via $H \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	69
159	Search for Lepton-Flavor Violation in the Decay $B \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ . <i>Physical Review Letters</i> , 2004, 92, 121801.	2.9	68
160	Measurement of the $B \rightarrow \text{P} X$ fraction and photon energy spectrum using the recoil method. <i>Physical Review D</i> , 2008, 77, .	1.6	68
161	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3157.	1.4	68
162	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	68

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163	Measurement of the $\rho(770)^0$ transition form factors at $q^2=112 \text{ MeV}^2$ . Physical Review D, 2006, 74, .	1.6	67
164	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle V \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{cb} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ and the Form-Factor Slope in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\Gamma} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mo} \rangle \hat{\Gamma} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:msup} \rangle$	2.9	67
165	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
166	Search for direct pair production of a chargino and a neutralino decaying to the $125 \text{ GeV}$ Higgs boson in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
167	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	67
168	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
169	A search for $t \bar{t} \hat{A}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
170	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
171	Measurements of the magnetic form factor of the proton for timelike momentum transfers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 20-25.	1.5	65
172	Evidence for the Rare Decay $B \rightarrow K^* \bar{a}, B \rightarrow K^* \hat{a}$ and Measurement of the $B \rightarrow K^* \bar{a}, B \rightarrow K^* \hat{a}$ Branching Fraction. Physical Review Letters, 2003, 91, 221802.	2.9	65
173	Search for CP Violation in the Decays $D \rightarrow \bar{K}^* K^+$ and $D \rightarrow \bar{K}^* \bar{K}^+$ . Physical Review Letters, 2008, 100, 061803.	2.9	65
174	Results of a search for the $\chi_{c1}$ state of charmonium in the $\chi_{c1} \rightarrow \psi(3770) \gamma$ decay modes. Physical Review D, 2005, 72, .	1.6	64
175	Search for $B \rightarrow \bar{D}^* \ell^+ \nu_\ell$ decays with hadronic B tags. Physical Review D, 2008, 77, .	1.6	64
176	Exclusive Branching-Fraction Measurements of Semileptonic $B_c \rightarrow D^* \ell^+ \nu_\ell$ Decays into Three Charged Hadrons, $B_c \rightarrow D^* \ell^+ \nu_\ell$ , and $B_c \rightarrow D^* \ell^+ \nu_\ell$ . Physical Review Letters, 2008, 100, 011801.	2.9	64
177	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	64
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200	Dalitz plot analysis of $B \rightarrow B^0 \hat{A}^+ \hat{A}^-$ Physical Review D, 2009, 79, .	1.6	59
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334	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
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338	Amplitude analysis of the decay $B \rightarrow \bar{c} \ell^+ \nu_\ell$ . Physical Review D, 2005, 72, .	1.6	37
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341	Measurement of $D^0 \rightarrow \bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ , $D^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ , and $D^0 \rightarrow \bar{c} \ell^+ \nu_\ell$ . Physical Review D, 2008, 78, .	1.6	37
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380	<p>Measurement of the cross section of the decay <math>B \rightarrow D^* \ell^+ \ell^-</math> with the ATLAS detector. <i>Journal of High Energy Physics</i>, 2015, 2015, 1.</p>	1.6	33
381	<p>Measurement of the cross section of the decay <math>B \rightarrow D^* \ell^+ \ell^-</math> with the ATLAS detector. <i>Journal of High Energy Physics</i>, 2015, 2015, 1.</p>	1.6	33
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412	Measurement of time dependent CP asymmetry parameters in $B \rightarrow D^* \ell^+ \ell^-$ decays to $B \rightarrow D^* \ell^+ \ell^-$ meson decays. <i>Physical Review D</i> , 2008, 78, .	1.6	30
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452	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	28
453	Observation of the decay $B \rightarrow \tau^+ \nu_\tau$ and measurement of the branching fraction and polarization. <i>Physical Review D</i> , 2004, 69, .	1.6	27
454	Measurements of the branching fractions of charged B decays to $K^* \ell \bar{\nu}_\ell$ final states. <i>Physical Review D</i> , 2004, 70, .	1.6	27
455	Measurement of the $B \rightarrow K^*(1430) 0^+ \pi^0$ and $B \rightarrow K^*(1430) \pi^+ \pi^-$ branching fractions. <i>Physical Review D</i> , 2004, 70, .	1.6	27
456	Determination of $ V_{ub} $ from Measurements of the Electron and Neutrino Momenta in Inclusive Semileptonic B Decays. <i>Physical Review Letters</i> , 2005, 95, 111801.	2.9	27
457	Dalitz plot analysis of the decay $B(B \rightarrow 0) \rightarrow K^* \ell \bar{\nu}_\ell$ . <i>Physical Review D</i> , 2008, 78, .	1.6	27
458	Measurement of time-dependent $C \rightarrow P$ asymmetry in $B \rightarrow K^* \ell \bar{\nu}_\ell$ decays. <i>Physical Review D</i> , 2008, 78, .	1.6	27
459	Searches for the decay $B \rightarrow K^* \ell \bar{\nu}_\ell$ . <i>Physical Review D</i> , 2008, 78, .	1.6	27
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461	Improved measurement of the Quark-Mixing Phase Angle $\beta$ at BABAR. <i>Physical Review D</i> , 2008, 78, .	2.9	27
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463	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow X \ell \bar{\nu}_\ell$ . <i>Physical Review D</i> , 2010, 81, .	1.6	27
464	Search for lepton-number violating processes in $B \rightarrow \tau^+ \nu_\tau \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2012, 85, .	1.6	27
465	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015, 75, 407.	1.4	27
466	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	27
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471	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
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483	Observation of $B_{u,d} \rightarrow K^0 K^0$ and Search for $B_{u,d} \rightarrow K^0 K^0$ . Physical Review Letters, 2008, 100, 081801.	2.9	25
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495	Measurement of the Decay $B^0 \rightarrow \pi^+ \pi^-$ . <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" $B^0 \rightarrow \pi^+ \pi^-$ <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> accent="true" $\pi^+ \pi^-$ <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> Physical Review Letters, 2008, 100, 231803.		
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507	Search for CP violation in the decay $D^0 \rightarrow K^+ K^- \pi^+ \pi^-$ . Physical Review D, 2011, 83, .	1.6	23
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521	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)} \pi^0, D^{(*)} \pi^+,$ and implications for the Cabibbo-Kobayashi-Maskawa angle $\beta^3$ . Physical Review D, 2006, 73, .	1.6	22
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526	Measurement of CP-Violating Asymmetries in $B^0 \rightarrow D^*(*) \pi^+ \pi^-$ . Physical Review Letters, 2007, 99, 071801.	2.9	22
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549	Measurements of the Branching Fraction and CP-Violation Asymmetries in $B \rightarrow K^0 \pi^0$ . Physical Review Letters, 2005, 94, 041802.	2.9	20
550	Measurement of the branching fraction and the CP-violating asymmetry for the decay $B \rightarrow K^0 \pi^0$ . Physical Review D, 2005, 71, .	1.6	20
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555	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
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560	Measurement of the Time-Dependent CP Asymmetry in the $B^0 \rightarrow \pi^+ \pi^- K^0$ Decay. Physical Review Letters, 2004, 93, 071801.	2.9	19
561	Dalitz plot analysis of $D^0 \rightarrow K^+ K^- K^0$ . Physical Review D, 2005, 72, .	1.6	19
562	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^+ K^-$ . Physical Review D, 2005, 72, .	1.6	19
563	Model-independent search for the decay $B \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review D, 2009, 80, .	1.6	19
564	Observation of meson decays to $B \rightarrow \pi^+ \pi^- K^0$ and improved measurements for $B \rightarrow \pi^+ \pi^- K^+ K^-$ and $B \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review D, 2009, 80, .	1.6	19
565	Observation of $B \rightarrow \pi^+ \pi^- \pi^0$ and $B \rightarrow \pi^+ \pi^- K^0$ . Physical Review D, 2009, 80, .	1.6	19
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578	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>-1</sup> of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	19
579	Observation of $B \rightarrow K^0, B^+ \rightarrow \bar{K}^0, B^+ \rightarrow K^+$ and Study of Related Decays. <i>Physical Review Letters</i> , 2004, 92, 061801.	2.9	18
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722	Evidence for $B^0 \rightarrow \rho^0$ Decays and Implications for the Cabibbo-Kobayashi-Maskawa Angle $\beta$ . Physical Review Letters, 2007, 98, 111801.	2.9	12
723	Measurement of CP asymmetry in $B^0 \rightarrow K^0 S^0$ decays. Physical Review D, 2007, 76, .	1.6	12
724	Measurements of the branching fractions of $B^0 \rightarrow K^* K^+$ , $B^0 \rightarrow K^* K^0$ , $B^0 \rightarrow K^* K^+$ , and $B^0 \rightarrow K^* K^0$ . Physical Review D, 2007, 76, .	1.6	12
725	Measurement of the CP asymmetry in $B^0 \rightarrow \rho^0$ Using a Sum of Exclusive Final States. Physical Review Letters, 2008, 101, 171804.	2.9	12
726	Measurement of the $B^0 \rightarrow \rho^0$ and $B^0 \rightarrow \rho^+$ branching fractions. Physical Review D, 2009, 79, .	1.6	12
727	Search for $B^0$ transitions in $B^0 \rightarrow [K^* \rho^0] DK^{\pm}$ decays. Physical Review D, 2011, 84, .	1.6	12
728	Measurement of the semileptonic branching fraction of the $B^0 \rightarrow \rho^0 K^* K^+$ meson. Physical Review D, 2012, 85, .	1.6	12
729	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
730	Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	1.4	12
731	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	1.4	12
732	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
733	Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
734	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 8.16$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	12
735	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	1.4	12
736	Search for supersymmetry in events with four or more charged leptons in 139 fb $^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
737	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	12
738	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12

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740	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $13$ TeV. European Physical Journal C, 2022, 82, 1.	1.4	12
741	Branching fraction measurements of $B \rightarrow \tau c$ decays. Physical Review D, 2004, 70, .	1.6	11
742	Measurement of the Branching Fraction and Polarization for the Decay $B \rightarrow \tau^+ D^{*0} K^+$ . Physical Review Letters, 2004, 92, 141801.	2.9	11
743	Production and Decay of $\psi(3700)$ at BABAR. Physical Review Letters, 2005, 95, 142003.	2.9	11
744	Measurements of CP-violating asymmetries and branching fractions in B decays to $\tau^0 K$ and $\tau^0 \bar{K}$ . Physical Review D, 2006, 74, .	1.6	11
745	Measurement of branching fractions in radiative B decays to $\tau^+ K^0$ and search for B decays to $\tau^+ K^0$ . Physical Review D, 2006, 74, .	1.6	11
746	Search for neutral B-meson decays to $\tau^0 K^0$ , $\tau^0 \bar{K}^0$ , and $\tau^0 f_0$ . Physical Review D, 2007, 75, .	1.6	11
747	Measurement of the branching fractions of the rare decays $B \rightarrow \tau^+ D_s^{(*)} K^+$ , $B \rightarrow \tau^+ D_s^{(*)} K^0$ , and $B \rightarrow \tau^+ D_s^{(*)} K^*$ . Physical Review D, 2008, 78, .	1.6	11
748	Observation of $B \rightarrow \tau^+ \bar{K}^0$ and search for $B \rightarrow \tau^+ \bar{K}^0$ decays. Physical Review D, 2008, 78, .	1.6	11
749	Observation of $B \rightarrow \tau^+ K^0$ and search for B-meson decays to $\tau^+ K^0$ and $\tau^+ \bar{K}^0$ . Physical Review D, 2008, 78, .	1.6	11
750	Observation of $B \rightarrow \tau^+ \bar{K}^0$ and search for $B \rightarrow \tau^+ \bar{K}^0$ decays to $\tau^+ \bar{K}^0$ , $\tau^+ \bar{K}^0$ , and $\tau^+ \bar{K}^0$ . Physical Review D, 2008, 78, .	1.6	11
751	Measurement of ratios of branching fractions and CP-violating asymmetries of $B \rightarrow \tau^+ D^{*0} K^+$ decays. Physical Review D, 2008, 78, .	1.6	11
752	Study of B Meson Decays with Excited $\bar{K}^*$ and $\bar{K}^{*2}$ Mesons. Physical Review Letters, 2008, 101, 091801.	2.9	11
753	Improved Limits on Lepton-Flavor-Violating $\tau \rightarrow \mu \gamma$ , $\tau \rightarrow e \gamma$ , $\tau \rightarrow \mu K^*$ , and $\tau \rightarrow e K^*$ . Physical Review Letters, 2009, 103, 021801.	2.9	11
754	Search for Lepton Flavor Violating Decays $\tau \rightarrow \mu \gamma$ and $\tau \rightarrow e \gamma$ with the BABAR Experiment. Physical Review D, 2009, 79, .	1.6	11
755	B-meson decays to $\tau^+ \bar{K}^0$ and $\tau^+ K^0$ . Physical Review D, 2010, 82, .	1.6	11
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758	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016, 11, P05013-P05013.	0.5	11
759	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 683.	1.4	11
760	Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 220.	1.4	11
761	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
762	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	11
763	Search for the decay $B_0 \rightarrow J/\psi \pi^3$ . <i>Physical Review D</i> , 2004, 70, .	1.6	10
764	Measurement of Time-Dependent CP Asymmetries and the CP-Odd Fraction in the Decay $B_0 \rightarrow D^* + D^* \pi^0$ . <i>Physical Review Letters</i> , 2005, 95, 151804.	2.9	10
765	Evidence for the decay $B^+ \rightarrow K^* \pi^0$ . <i>Physical Review D</i> , 2005, 71, .	1.6	10
766	Search for $B^+ \rightarrow J/\psi D$ decays. <i>Physical Review D</i> , 2005, 71, .	1.6	10
767	Measurement of the $D^+ \rightarrow \pi^0$ and $D^+ \rightarrow K^0$ branching fractions. <i>Physical Review D</i> , 2006, 74, .	1.6	10
768	Measurements of the branching fraction and time-dependent CP asymmetries of $B_0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review D</i> , 2006, 74, .	1.6	10
769	Measurements of $\bar{b} \rightarrow c$ branching fractions of Cabibbo-suppressed decay modes involving $\bar{b} \rightarrow c$ and $\bar{b} \rightarrow u$ . <i>Physical Review D</i> , 2007, 75, .	1.6	10
770	Measurement of the relative branching fractions of $B \rightarrow C$ and $B \rightarrow P$ observables in $B \rightarrow C$ and $B \rightarrow P$ decays. <i>Physical Review D</i> , 2007, 76, .	1.6	10
771	Study of inclusive $B^+ \rightarrow \pi^0$ and $B^0 \rightarrow \pi^0$ decays to flavor-tagged D, Ds, and $\bar{b} \rightarrow c$ . <i>Physical Review D</i> , 2007, 75, .	1.6	10
772	Measurement of the CP-violating asymmetries in $B_0 \rightarrow K_S^0 \pi^0$ and of the branching fraction $B_0 \rightarrow K^0 \pi^0$ . <i>Physical Review D</i> , 2008, 77, .	1.6	10
773	Improved measurement of $B \rightarrow C$ and $B \rightarrow P$ observables in $B \rightarrow C$ and $B \rightarrow P$ decays. <i>Physical Review D</i> , 2008, 77, .	1.6	10
774	Measurements of branching fractions for $B^+ \rightarrow \pi^+ \pi^0$ , $B_0 \rightarrow \pi^0 \pi^0$ , and $B_0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , 2008, 78, .	1.6	10

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777	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10
778	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	1.4	10
779	Measurement of the $Z \rightarrow u \bar{u} \gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
780	Measurement of the inclusive and fiducial $\sigma(t \bar{t})$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	1.4	10
781	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W_{\pm}$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
782	Measurement of $J/\psi$ production in association with a $W_{\pm}$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
783	Measurement of the $t \bar{t} \rightarrow t \bar{t} \gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
784	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with $139 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
785	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
786	Search for the Rare Leptonic Decay $B_{\pm}^0 \rightarrow \tau^{\pm} \ell^{\pm} \ell^{\pm}$ . Physical Review Letters, 2004, 92, 221803.	2.9	9
787	Measurement of the branching fractions for inclusive $B_{\pm}^0$ and $B_{\pm}^0$ decays to flavor-tagged D, Ds, and c. Physical Review D, 2004, 70, .	1.6	9
788	Search for the decay $\tilde{\chi}_1^0 \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0$ . Physical Review D, 2005, 72, .	1.6	9
789	Search for the decay of a $B_{\pm}^0$ meson to $K^{\pm} K^0 K^0$ . Physical Review D, 2006, 74, .	1.6	9
790	Observation of the exclusive reaction $e^+ e^- \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0$ . Physical Review D, 2006, 74, .	1.6	9
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792	Observation of Decays $B_{\pm}^0 \rightarrow D_s^{(*)} \tilde{\chi}_1^0$ and $B_{\pm}^0 \rightarrow D_s^{(*)} K^{\pm}$ . Physical Review Letters, 2007, 98, 081801.	2.9	9

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794	Measurement of $B$ decays to $\tau^+\tau^-$ . Physical Review D, 2007, 75, .	1.6	9
795	Observation of $B \rightarrow \tau^+\tau^-$ and $B \rightarrow \mu^+\mu^-$ . Evidence for $B \rightarrow \tau^+\tau^-$ . Physical Review D, 2008, 78, .	1.6	9
796	Measurement of the Absolute Branching Fraction of $D^0 \rightarrow K^+\pi^-$ . Physical Review Letters, 2008, 100, 051802.	2.9	9
797	Search for Second-Class Currents in $B \rightarrow \tau^+\tau^-$ . Physical Review Letters, 2009, 103, 041802.	2.9	9
798	Measurements of branching fractions and asymmetries and studies of angular distributions for $B \rightarrow C^+\tau^-\tau^+$ . Physical Review D, 2011, 84, .	1.6	9
799	A new method to distinguish hadronically decaying boosted $Z$ bosons from $W$ bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	1.4	9
800	Measurement of the $\sigma(\text{pp} \rightarrow \gamma^* \rightarrow \mu^+\mu^-)$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
801	Measurements of charge and CP asymmetries in $b$ -hadron decays using top-quark events collected by the ATLAS detector in $pp$ collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
802	Measurement of the $ZZ$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV using the $ZZ \rightarrow \tau^+\tau^-$ and $ZZ \rightarrow \mu^+\mu^-$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
803	Measurements of differential cross sections of top quark pair production in association with jets in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
804	Measurement of the inclusive cross-section for the production of jets in association with a $Z$ boson in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	9
805	Measurement of the $Z \rightarrow \tau^+\tau^-$ production cross-section in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
806	Search for dark matter produced in association with a single top quark in $\sqrt{s}=13$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
807	What can we learn about the ratio $R_D$ by using space-like, time-like data and dispersion relations?. Nuclear Physics A, 2005, 755, 286-289.	0.6	8
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809	Search for the $W$ -exchange decays $B \rightarrow D_s^*(\tau^+\tau^-)$ . Physical Review D, 2005, 72, .	1.6	8
810	Study of $B \rightarrow K^*\tau^+\tau^-$ interference in the decay $B \rightarrow K^*\tau^+\tau^-$ . Physical Review D, 2005, 72, .	1.6	8

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811	Measurement of the $B^0 \rightarrow D^0 K^*$ branching fraction. Physical Review D, 2006, 73, .	1.6	8
812	Precise branching ratio measurements of the decays $D^0 \rightarrow K^* \ell^+ \ell^-$ and $D^0 \rightarrow K^* K^+ \ell^-$ relative to the $D^0 \rightarrow K^* \ell^+ \ell^-$ decay. Physical Review D, 2006, 74, .	1.6	8
813	Search for rare quark-annihilation decays, $B^0 \rightarrow D_s^{(*)} \ell^+ \ell^-$ . Physical Review D, 2006, 73, .	1.6	8
814	Measurement of the ratio $B(B \rightarrow X \ell^+ \ell^-) / B(B \rightarrow X \ell^+ \ell^-)$ . Physical Review D, 2006, 74, .	1.6	8
815	Measurement of the Time-Dependent CP Asymmetry in $B^0 \rightarrow D^0 CP^{(*)} h^0$ Decays. Physical Review Letters, 2007, 99, 081801.	2.9	8
816	Observation of $B^0 \rightarrow K^0$ and measurement of its branching fraction and charge asymmetry. Physical Review D, 2007, 76, .	1.6	8
817	Improved measurement of time-dependent $C$ and $P$ asymmetries and the $C$ -odd fraction in the decay $B^0 \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 2008, 77, .	1.6	8
818	Time-dependent Dalitz plot analysis of $B^0 \rightarrow D^+ K^0 \ell^+ \ell^-$ decays. Physical Review D, 2008, 77, .	1.6	8
819	Observation of the rare decay $B^0 \rightarrow K^0 K^* \ell^+ \ell^-$ . Physical Review D, 2010, 82, .	1.6	8
820	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B^0 \rightarrow K^* \ell^+ \ell^-$ and $B^0 \rightarrow K^* K^+ \ell^-$ decays. Physical Review D, 2011, 83, .	1.6	8
821	Study of dipion bottomonium transitions and search for the $B^0 \rightarrow K^* \ell^+ \ell^-$ decay. Physical Review D, 2012, 86, .	1.6	8
822	Search for resonances decaying to $B^0 \rightarrow K^* \ell^+ \ell^-$ and two-photon interactions. Physical Review D, 2012, 86, .	1.6	8
823	Measurement of the relative width difference of the $B^0$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
824	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
825	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
826	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
827	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
828	Measurement of $W^{\pm}$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8

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830	Measurements of $W+W^{\ast}+1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
831	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
832	Reconstruction and identification of boosted $d\bar{t}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
833	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
834	Measurement of the two photon decay of the $\chi_{c0}(13P0)$ state of charmonium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 584, 16-21.	1.5	7
835	Measurement of Time-Dependent CP Asymmetries in $B^0 \rightarrow D^{\ast} \pi^{\pm}$ Decays. Physical Review Letters, 2005, 95, 131802.	2.9	7
836	Search for the rare decays $B^+ \rightarrow \pi^+ D^{\ast} + K S^0$ . Physical Review D, 2005, 72, .	1.6	7
837	Search for the radiative decay $B^0 \rightarrow \pi^+ \pi^- \gamma$ . Physical Review D, 2005, 72, .	1.6	7
838	Observation of $B^+ \rightarrow \pi^+ K^{\ast 0}$ and Evidence for $B^+ \rightarrow \pi^+ K^{\ast 0}$ . Physical Review Letters, 2007, 98, 051802.	2.9	7
839	Search for the decays $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review D, 2008, 77, .	1.6	7
840	Branching fractions and CP-violating asymmetries in radiative B decays to $\pi^0 K^{\ast 0}$ . Physical Review D, 2009, 79, .	1.6	7
841	Evidence for $B^+ \rightarrow \pi^+ K^{\ast 0} K^{\ast 0}$ . Physical Review D, 2009, 79, .	1.6	7
842	Search for B-meson decays to $\pi^0 \pi^0 K^{\ast 0}$ . Physical Review D, 2009, 80, .	1.6	7
843	Observation of the decay $B^0 \rightarrow \pi^+ \pi^- \rho^0$ . Physical Review D, 2010, 82, .	1.6	7
844	Observation of the Decay $B^0 \rightarrow \pi^+ \pi^- \rho^0$ . Physical Review Letters, 2011, 107, 041804.		
845	Measurement of $a_1$ polarisation in $Z/\gamma \rightarrow \mu^+ \mu^- \pi^0$ . European Physical Journal C, 2018, 78, 163.	1.4	7
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848	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
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850	E835 at FNAL: Charmonium Spectroscopy in $p\bar{p}$ Annihilations. AIP Conference Proceedings, 2004, , .	0.3	6
851	Search for the rare decays $B_0 \rightarrow D_s^{(*)} + a_0(2) \pi^0$ . Physical Review D, 2006, 73, .	1.6	6
852	Search for $b \rightarrow u$ transitions in $B \rightarrow K^* \pi^0$ decays. Physical Review D, 2007, 76, .	1.6	6
853	Evidence for the Rare Decay $B \rightarrow D_s + \pi^0$ . Physical Review Letters, 2007, 98, .	2.9	6
854	Measurement of the CP Asymmetry and Branching Fraction of $B_0 \rightarrow \pi^0 K^0$ . Physical Review Letters, 2007, 98, 051803.	2.9	6
855	Observation and polarization measurement of $B_0 \rightarrow a_1(1260) + a_1(1260) \pi^0$ decay. Physical Review D, 2009, 80, .	1.6	6
856	Search for $B \rightarrow \pi^0 \pi^0$ decays. Physical Review Letters, 2007, 98, 051803.	2.9	6
857	Search for $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2010, 82, .	1.6	6
858	Choice and characterization of photomultipliers for the new ATLAS LUCID detector. Journal of Instrumentation, 2016, 11, P05014-P05014.	0.5	6
859	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
860	Measurement of ZZ production in the $\pi^+ \pi^- \pi^0$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
861	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
862	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	1.4	6
863	Bound on the Ratio of Decay Amplitudes for $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- K^*$ . Physical Review Letters, 2004, 93, 081801.	2.9	5
864	Search for $B^0 \rightarrow \pi^+ \pi^- K^*$ and Upper Limit on the $B^0 \rightarrow \pi^+ \pi^- K^*$ Amplitude in $B^0 \rightarrow \pi^+ \pi^- K^*$ . Physical Review Letters, 2004, 93, 131804.	2.9	5

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866	Measurement of the branching fraction and decay rate asymmetry of $B^0 \rightarrow \bar{D}^0 K^0$ . Physical Review D, 2005, 72, .	1.6	5
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868	Search for the rare charmless hadronic decay $B^0 \rightarrow \pi^0 \pi^0$ . Physical Review D, 2008, 77, .	1.6	5
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