

Lluïsa-Maria Mir

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4443327/publications.pdf>

Version: 2024-02-01

734
papers

37,317
citations

3149

92
h-index

7931

149
g-index

746
all docs

746
docs citations

746
times ranked

11541
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
2	High-efficiency gene transfer into skeletal muscle mediated by electric pulses. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 4262-4267.	3.3	865
3	Observation of a Broad Structure in the J/ψ Mass Spectrum around $4.26 \text{ GeV}/c^2$. Physical Review Letters, 2005, 95, 142001.	2.9	650
4	Observation of a Narrow Meson State Decaying to $D_s^+ \pi^0$ at a Mass of $2.32 \text{ GeV}/c^2$. Physical Review Letters, 2003, 90, 242001.	2.9	603
5	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
6	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
7	Study of the $B^0 \rightarrow \pi^+ \pi^- K^0$ decay and measurement of the $B^0 \rightarrow \pi^+ \pi^- X(3872) K^0$ 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	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
14	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
15	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
16	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
17	Measurement of the CP Asymmetry Amplitudes $\sin^2 2\beta$ with B Mesons. Physical Review Letters, 2002, 89, 201802.	2.9	247
18	Evidence of a Broad Structure at an Invariant Mass of $4.32 \text{ GeV}/c^2$ in the Reaction $e^+ e^- \rightarrow \pi^+ \pi^- \pi^0(2S)$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	2.9	247

#	ARTICLE	IF	CITATIONS
19	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238

20

#	ARTICLE	IF	CITATIONS
37	Measurement of the transverse momentum and ϕ_{η}^* distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
38	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	0.7	148
39	Measurement of double charmonium production in e^+e^- annihilations at $\sqrt{s}=10.6$ GeV. Physical Review D, 2005, 72, .	1.6	147
40	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146
41	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
42	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
43	Precision measurement and interpretation of inclusive W^+W^+ , W^-W^- . European Physical Journal C, 2017, 77, 367.	1.4	145
44	The $e^+e^- \rightarrow \mu^+\mu^-e^+e^-$ production cross-section with the ATLAS detector. Physical Review D, 2007, 76, .	1.6	146
45	Measurement of the $t\bar{t}$ production cross-section using b -tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
46	Observation of a New Ds Meson Decaying to DK at a Mass of 2.86 GeV/c ² . Physical Review Letters, 2006, 97, 222001.	2.9	139
47	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	1.4	138
48	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	137
49	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	136
50	Search for doubly charmed baryons Λ_{cc}^{++} and Σ_{cc}^{++} in BABAR. Physical Review D, 2006, 74, .	1.6	135
51	Observation of Λ_{cc}^{++} and Σ_{cc}^{++} in BABAR. Physical Review D, 2006, 74, .	2.9	133
52	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 199.	1.4	132
53	Measurement of the Z/γ^* 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
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in $t \bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
57	Search for Lepton Flavor Violation in the Decay $\tau \rightarrow \mu \gamma$. Physical Review Letters, 2005, 95, 041802.	2.9	124
58	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
59	Measurements of Branching Fractions and CP-Violating Asymmetries in $B \rightarrow \pi^+ \pi^-$, $K \rightarrow \pi^+ \pi^-$, $K \rightarrow \pi^0 \pi^0$ Decays. Physical Review Letters, 2002, 89, 281802.	2.9	122
60	Rates, Polarizations, and Asymmetries in Charmless Vector-Vector Meson Decays. Physical Review Letters, 2003, 91, 171802.	2.9	122
61	Structure at 2175 MeV in $e^+ e^- \rightarrow \gamma^* \rightarrow f_0(980)$ observed via initial-state radiation. Physical Review D, 2006, 74, .	1.6	122
62	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
63			

#	ARTICLE	IF	CITATIONS
73	Search for $B \rightarrow X(3872)K^+, X(3872) \rightarrow J/\psi \pi^0$. Physical Review D, 2006, 74, .	1.6	113

74

#	ARTICLE	IF	CITATIONS
91	Measurements of the $B\hat{\tau}^+Xs\hat{3}$ branching fraction and photon spectrum from a sum of exclusive final states. Physical Review D, 2005, 72, .	1.6	93
92	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
93	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
94	Search for Higgs boson pair production in the $b\bar{b}b\hat{b}b\hat{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
95	Search for the $b\hat{b}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	89
96	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$; {ext{TeV}} pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
97	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	88
98	Electron efficiency measurements with the ATLAS detector using 2012 LHC protonâ€“proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
99	Measurement of multi-particle azimuthal correlations in pp, pÂ+ÂPb and low-multiplicity PbÂ+ÂPb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
100	Observation of the Semileptonic Decays $B\hat{\tau}^+D^*$ and Evidence for $B\hat{1/2}A^-$ and $B\hat{1/2}A^-$ decays. Physical Review Letters, 2008, 100, 021801.	1.6	85
101	Study of the X(3872) and Y(4260) in $B\hat{\tau}^+J/\psi\hat{c}$ and $B\hat{\tau}^+J/\psi\hat{c}$ decays. Physical Review D, 2006, 73, 1.	1.6	84
102	Study of the exclusive initial-state-radiation production of the $D\hat{c}$ system. Physical Review D, 2007, 76, .	1.6	84
103	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	84
104	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
105	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
106	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	82
107	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	81
108	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	81

#	ARTICLE	IF	CITATIONS
109	Observation of a narrow meson decaying to $D_s + \bar{D}^0$ at a mass of $2.458 \text{ GeV}/c^2$. Physical Review D, 2004, 69, .	1.6	80
110	Search for a charged partner of the $X(3872)$ in the B meson decay $B \rightarrow X^+ K, X^+ \bar{D}^0$. Physical Review D, 2005, 71, .	1.6	80
111	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
112	Measurement of the Cabibbo-Kobayashi-Maskawa Angle β in $D^0 \rightarrow K^+ \pi^-$ Decays with a Dalitz Analysis of $D^0 \rightarrow K^+ \pi^-$. Physical Review Letters, 2005, 95, 121802.	2.9	79
113	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
114	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
115	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
116	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
117	Time-integrated and time-dependent angular analyses of $B \rightarrow K^* \ell^+ \ell^-$: A measurement of $\cos^2 \theta_{\text{eff}}$ with no sign ambiguity from strong phases. Physical Review D, 2005, 71, .	1.6	77
118	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
119	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
120	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 1.	1.4	77
121	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
122	Measurement of quarkonium production in lead and proton-proton collisions at $\sqrt{s} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
123	Search for resonant diboson production in the pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
124	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
125	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
126			

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	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
130	Measurements of the Absolute Branching Fractions of $B_{s,d} \rightarrow K^* X_{cc}$. Physical Review Letters, 2006, 96, 052002.	2.9	71
131	Search For T, CP, and CPT Violation in $B_{s,d} \rightarrow B^0$ Mixing with Inclusive Dilepton Events. Physical Review Letters, 2006, 96, 251802.	2.9	71
132	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	71
133	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. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
134	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. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
135	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	1.4	71
136	Measurement of the $B_{s,d} \rightarrow K^* \ell^+ \ell^-$ Decay Amplitudes. Physical Review Letters, 2004, 93, 231804.	2.9	70
137	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.	1.4	70
138	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
139	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$, $H \rightarrow \tau^+ \tau^- \nu_\tau$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
140	Search for Lepton-Flavor Violation in the Decay $\tilde{\chi}_1^0 \rightarrow \tau^+ \tau^-$, $\tilde{\chi}_1^0 \rightarrow \tau^+ \tau^- \nu_\tau$. Physical Review Letters, 2004, 92, 121801.	2.9	68
141	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68
142	Measurement of the $\hat{\Gamma} \rightarrow \hat{\Gamma}^2$ transition form factors at $q^2 = 112$ MeV ² . Physical Review D, 2006, 74, .	1.6	67
143	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
144	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67

#	ARTICLE	IF	CITATIONS
145	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
146	A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
147	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
148	Search for CP violation in the Decays $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^+ \bar{K}^-$. Physical Review Letters, 2008, 100, 061803.	2.9	65
149	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
150	Search for $B \rightarrow \mu^+ \mu^-$ decays with hadronic B tags. Physical Review D, 2008, 77, .	1.6	64
151	Exclusive Branching-Fraction Measurements of Semileptonic $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \tau^+ \tau^-$ Decays into Three Charged Hadrons, $B \rightarrow K^* \mu^+ \mu^-$, and $B \rightarrow K^* \tau^+ \tau^-$. Physical Review Letters, 2008, 100, 011801.	2.9	64
152	Measurement of the $W \rightarrow \mu^+ \mu^-$ and $Z \rightarrow \mu^+ \mu^-$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
153	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	64
154	Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	1.4	64
155	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
156	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	64
157	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e^+ e^-$ decays. Physical Review D, 2004, 69, .	1.6	63
158	Dalitz plot analysis of the decay $B \rightarrow K^+ K^+ K^-$. Physical Review D, 2006, 74, .	1.6	63
159	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
160	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
161	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	1.4	62
162	Study of inclusive production of charmonium mesons in B decays. Physical Review D, 2003, 67, .	1.6	61

#	ARTICLE	IF	CITATIONS
163	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
164	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ γ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
165	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	61
166	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
167	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61
168	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $5.02 < \sqrt{s} < 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
169	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	1.4	60
170	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
171	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
172	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} / d\bar{d} / s\bar{s} / c\bar{c} / b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
173	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	1.4	60
174	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
175	Observation of the Decay $B \rightarrow J/\psi K$ and Search for $X(3872) \rightarrow J/\psi \pi^0$. Physical Review Letters, 2004, 93, 041801.	2.9	59
176	Observation of $C \rightarrow P$ Violation in $B \rightarrow 0 \hat{+} \hat{+}$. Physical Review Letters, 2007, 99, 021603.	2.9	59
177	Measurement of $W \rightarrow Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
178	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	59
179	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
180	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	1.4	59

#	ARTICLE	IF	CITATIONS
181	Determination of the Branching Fraction for $B \rightarrow X c \bar{c}$, $B \rightarrow X s \bar{s}$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. Physical Review Letters, 2004, 93, .	2.9	58
182	Observation of $B \rightarrow \pi^+ K^0$ and $B \rightarrow \pi^+ K^0$. Physical Review Letters, 2006, 97, 171805.	2.9	58
183	Measurement of the Branching Fraction and Photon Energy Moments of $B \rightarrow X s \bar{s}$ and $ACP(B \rightarrow X s + d \bar{s})$. Physical Review Letters, 2006, 97, 171803.	2.9	58
184	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	1.4	58
185	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
186	Study of $B \rightarrow D_s(\pi) + D^0(\pi)$ Decays. Physical Review Letters, 2004, 93, 181801. Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and Lorentz Violation in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mtext} \text{mathvariant="normal"} \rangle \hat{a} \langle \text{mml:mtext} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mover} \text{accent="true"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle A \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Oscillati	2.9	56
187	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	1.4	56
188	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	56
189	Measurement of the $B \rightarrow \pi^0 \ell^+ \ell^-$ Form-Factor Shape and Branching Fraction, and Determination of $ V_{ub} $ with a Loose Neutrino Reconstruction Technique. Physical Review Letters, 2007, 98, 091801.	2.9	55
190	Search for direct top squark pair production in events with a Z boson, b -jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	1.4	55
191	Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	55
192	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	54
193	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	54
194	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	1.4	54
195	Measurement of branching fractions and CP and isospin asymmetries for $B \rightarrow K^* \pi$. Physical Review D, 2004, 70, .	1.6	53
196	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	53
197			
198			

#	ARTICLE	IF	CITATIONS
199	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
200	Search for Higgs boson pair production in the $\gamma\gamma WW^* \rightarrow \gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	1.4	53
201	Measurement of the hadronic form factor in $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2007, 76, ..	1.6	52
202	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
203	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
204	Search for lepton-flavour-violating $H \rightarrow \tau \mu$, decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
205	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	1.4	52
206	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	1.4	52
207	Measurements of Branching Fractions and CP-Violating Asymmetries in $B \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ Decays. Physical Review Letters, 2003, 91, 201802.	2.9	51
208	Study of $B \rightarrow \tau^+ \tau^- \mu^+ \mu^-$ and constraints on the CKM angle $\arg(V_{cb} V_{cb}^*)$. Physical Review D, 2007, 76, ..	1.6	51
209	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
210	Measurement of the top quark mass with the template method in the $t \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
211	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a Z^{\prime} boson in the $\tau \mu$, $\tau \tau$, final state produced in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	1.4	51
212	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	1.4	51
213	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2017, 77, 379.	1.4	51
214	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	1.4	51
215	Determination of the form factors for the decay $B \rightarrow D^* \ell^+ \ell^-$ of the CKM matrix element V_{cb} . Physical Review D, 2008, 77, ..	1.6	51
216	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	1.4	50

#	ARTICLE	IF	CITATIONS
217	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	1.4	50
218	Study of $B \rightarrow 0$ decays. Physical Review D, 2007, 76, .	1.6	49
219	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	49
220	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	49
221	J/ψ production via initial state radiation in e^+e^- collisions at center-of-mass energy near 10.6 GeV. Physical Review D, 2004, 69, .	1.6	48
222	Study of the $D_s^*(2317)$ and $D_s(2460)$ mesons in inclusive e^+e^- production near $\sqrt{s} = 10.6$ GeV. Physical Review D, 2006, 74, .	1.6	48
223	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	48
224	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	1.4	48
225	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	1.4	48
226	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
227	Observation of the Decay $B \rightarrow \mu^+ \mu^-$. Physical Review Letters, 2007, 99, 221801.	2.9	47
228	Study of $B \rightarrow \mu^+ \mu^-$ decays. Physical Review D, 2008, 77, .	1.6	47
229	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
230	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 361.	1.4	47
231	Measurements of Branching Fractions, Polarizations, and Direct CP-Violation Asymmetries in $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2006, 97, 201801.	2.9	46
232	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	1.4	46
233	Study of the rare decays of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^-$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	1.4	46
234	Measurement of the Higgs boson coupling properties in the $H \rightarrow Z Z^* \rightarrow 4\mu$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46

#	ARTICLE	IF	CITATIONS
235	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	46
236	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	46
237	Measurement of the $\tau \rightarrow \mu \nu \tau$ branching fraction. <i>Physical Review D</i> , 2007, 76, .	1.6	45
238	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	45
239	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	45
240	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	45
241	Measurement of the t production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013, 73, 2328.	1.4	45
242	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
243	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
244	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
245	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	45
246	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	45
247	Measurement of the inclusive electron spectrum in charmless semileptonic B decays near the kinematic end point and determination of $ V_{ub} $. <i>Physical Review D</i> , 2006, 73, .	1.6	44
248	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	44
249	Search for the Decay $B \rightarrow \tau^+ K^+ \nu_{\tau}$. <i>Physical Review Letters</i> , 2005, 94, 101801.	2.9	43
250	Improved Limits on the Lepton-Flavor Violating Decays $\tau \rightarrow \mu \nu \tau$. <i>Physical Review Letters</i> , 2007, 99, 251803.	2.9	43
251	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	43
252	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	43

#	ARTICLE	IF	CITATIONS
253	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	1.4	43
254	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	1.4	43
255	Observation of $\Upsilon(4S)$ Decays to $e^+e^- \Upsilon(1S)$ and $e^+e^- \Upsilon(2S)$. Physical Review Letters, 2006, 96, 232001.	2.9	42
256	Observation of B^0 Meson Decay to $1\Lambda^\pm(1260) \bar{K}^{\mp}$. Physical Review Letters, 2006, 97, 051802.	2.9	42
257	Search for Lepton Flavor Violating Decays $\tilde{L}_i \rightarrow \tilde{L}_j \gamma$, $\tilde{L}_i \rightarrow \tilde{L}_j e^+ e^-$, $\tilde{L}_i \rightarrow \tilde{L}_j \mu^+ \mu^-$. Physical Review Letters, 2007, 98, 061803.	1.6	42
258	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	42
259	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	42
260	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	1.4	42
261	Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	1.4	42
262	Measurement of the Pseudoscalar Decay Constant f_{D_s} Using Charm-Tagged Events in e^+e^- Collisions at $\sqrt{s} = 10.58 \text{ GeV}$. Physical Review Letters, 2007, 98, 141801.	2.9	41
263	Vector-Tensor and Vector-Vector Decay Amplitude Analysis of $B^0 \rightarrow \pi^+ \pi^- K^*0$. Physical Review Letters, 2007, 98, 051801.	2.9	41
264	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
265	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
266	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	1.4	41
267	Measurement of the $t \bar{t} Z$ and $t \bar{t} W$ production cross sections in multilepton final states using 3.2 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
268	Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
269	Study of the Decay $B^0 \rightarrow \bar{K}^* \ell^+ \ell^-$, and Constraints on the Cabibbo-Kobayashi-Maskawa Angle $\hat{\alpha}_\pm$. Physical Review Letters, 2004, 93, 231801.	2.9	40
270	Search for $B \rightarrow \pi^+ \ell^+ \ell^-$. Physical Review D, 2007, 76, .	1.6	40

#	ARTICLE	IF	CITATIONS
271	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40
272	A search for t resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	40
273	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	1.4	40
274	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus 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	40
275	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{t} J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{t} J/\psi D_s^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40
276	Measurements of b-jet tagging efficiency with the ATLAS detector using t events at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
277	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	40
278	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in B ⁰ oscillations. Physical Review D, 2004, 70, .	1.6	39
279	Measurements of Branching Fractions and Time-Dependent CP-Violating Asymmetries in B ⁰ Decays. Physical Review Letters, 2005, 94, 191802.	2.9	39
280	Branching Fractions and CP Asymmetries in B ⁰ , B ⁺ , and B ⁰ Decays and Isospin Analysis of the B ⁰ System. Physical Review Letters, 2005, 94, 181802.	2.9	39
281	Measurements of CP-Violating Asymmetries in the Decay $B \rightarrow C P$. Physical Review Letters, 2007, 99, 161802.	2.9	39
282	Measurement of CP Violation Parameters with a Dalitz Plot Analysis of $B^{\pm} \rightarrow D^{\pm} K^{\pm}$. Physical Review Letters, 2007, 99, 251801.	2.9	39
283	Improved measurements of the branching fractions for $B^0 \rightarrow K^* K^0$ and $B^0 \rightarrow K^* K^+$, and a search for $B^0 \rightarrow K^* K^+$. Physical Review D, 2007, 75, .	1.6	39
284	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
285	Search for flavour-changing neutral current top-quark decays to $q Z$ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 12.	1.4	39
286	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 87.	1.4	39
287	Measurement of CP Asymmetries in B ⁰ and B ⁰ K _s decays. Physical Review D, 2005, 71, .	1.6	38
288	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	38

#	ARTICLE	IF	CITATIONS
289	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	38
290	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
291	Measurements of WH and ZH production in the $\gamma\gamma$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38
292	Search for D^0 Mixing and a Measurement of the Doubly Cabibbo-Suppressed Decay Rate in D^0 Decays. Physical Review Letters, 2003, 91, 171801.	2.9	37
293	Measurement of the Inclusive Charmless Semileptonic Branching Ratio of B Mesons and Determination of $ V_{ub} $. Physical Review Letters, 2004, 92, 071802.	2.9	37
294	Amplitude analysis of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review D, 2005, 72, .	1.6	37
295	Measurement of the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Branching Fraction and Determination of $ V_{ub} $ with Tagged B Mesons. Physical Review Letters, 2006, 97, 211801.	2.9	37
296	Measurement of decay amplitudes of $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review Letters, 2007, 98, 071801.	1.6	37
297	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	37
298	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	1.4	37
299	Measurement of the W boson polarisation in $t \bar{t} \rightarrow W \nu$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	1.4	37
300	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	0.5	37
301	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb $^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	37
302	Search for Lepton-Flavor and Lepton-Number Violation in the Decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$. Physical Review Letters, 2005, 95, 191801.	2.9	36
303	Measurement of Branching Fractions and Charge Asymmetries for Exclusive B Decays to Charmonium. Physical Review Letters, 2005, 94, 141801.	2.9	36
304	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	36
305	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
306	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	1.4	36

#	ARTICLE	IF	CITATIONS
307	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	36
308	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
309	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	1.4	36
310	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	36
311	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	36
312	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	36
313	Measurements of CP-Violating Asymmetries and Branching Fractions in B Meson Decays to K^0 . Physical Review Letters, 2003, 91, 161801.	2.9	35
314	Observation of a Significant Excess of $B \rightarrow K^0$ Events in B Meson Decays. Physical Review Letters, 2003, 91, 241801.	2.9	35
315	Measurements of moments of the hadronic mass distribution in semileptonic B decays. Physical Review D, 2004, 69, .	1.6	35
316	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
317	Measurement of the production cross section of prompt J/ψ mesons in association with a W^{\pm} boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
318	Search for $W' \rightarrow t\bar{t} \rightarrow q\bar{q}bb$ $W \rightarrow t\bar{t} \rightarrow q\bar{q}bb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	1.4	35
319	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
320	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	1.4	35
321	Limits on D^0 - \bar{D}^0 Mixing and CP Violation from the Ratio of Lifetimes for Decay to K^0 , K^+ , and \bar{K}^0 . Physical Review Letters, 2003, 91, 121801.	2.9	34
322	Precision measurement of the Λ_c baryon mass. Physical Review D, 2005, 72, .	1.6	34
323	Improved Measurement of the Cabibbo-Kobayashi-Maskawa Angle β Using $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2005, 95, 041805.	2.9	34
324	Search for the Rare Decay $B^0 \rightarrow \pi^+ \pi^-$ at BABAR. Physical Review Letters, 2006, 96, 241802.	2.9	34

#	ARTICLE	IF	CITATIONS
325	Improved Measurement of CP Violation in Neutral B Decays to $cc\bar{s}$. Physical Review Letters, 2007, 99, 171803.	2.9	34
326	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
327	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
328	Measurements of top-quark pair differential and double-differential cross-sections in the ell jets channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	34
329	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	34
330	Measurement of the B^+/\bar{B}^0 production ratio from the $\Upsilon(4S)$ meson using $B^+\rightarrow\bar{K}^0\ell^+\nu_\ell$ and $B^0\rightarrow\bar{K}^0\ell^+\nu_\ell$ decays. Physical Review D, 2004, 69, .	1.6	33
331	Limits on the Decay-Rate Difference of Neutral B Mesons and on CP, T, and CPT Violation in B^0/\bar{B}^0 Oscillations. Physical Review Letters, 2004, 92, 181801.	2.9	33
332	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
333	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	1.4	33
334	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
335	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
336	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	33
337	Measurements of $\Upsilon(2S)$ and $\chi(3872)$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33
338	Measurements of CP-Violating Asymmetries in $B^0\rightarrow\pi^0\ell^+\ell^-$ Decays. Physical Review Letters, 2007, 98, 181803.	2.9	32
339	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
340	Measurement of $\Upsilon(1S)$ and $\Upsilon(2S)$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
341	Determination of the strong coupling constant α_s from transverse energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	1.4	32
342	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the ell decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32

#	ARTICLE	IF	CITATIONS
343	Amplitude analysis of the decay $D^0 \rightarrow K^+ K^- \pi^0$. Physical Review D, 2007, 76, .	1.6	31
344	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	31
345	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	1.4	31
346	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	1.6	31
347	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	1.4	31
348	A search for prompt lepton-jets in pp collisions at $s=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
349	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $s=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
350	Search for W^+W^-Z resonance production in $\ell^+\ell^-q\bar{q}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
351	Study of muon-pair production at centre-of-mass energies from 20 to 136 GeV with the ALEPH detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 399, 329-341.	1.5	30
352	Measurements of the decays $B^0 \rightarrow D^+ D_s^-$, $B^0 \rightarrow D^+ D_s^{*-}$, $B^0 \rightarrow D^+ D_s^{*0}$, and $B^0 \rightarrow D^+ D_s^{*+}$. Physical Review D, 2006, 74, .	1.6	30
353	Study of $B^0 \rightarrow D^{(*)} D_s^{(*)}$ decays and measurement of D_s^* and $D_s(2460)$ branching fractions. Physical Review D, 2006, 74, .	1.6	30
354	Measurement of C and P -violating asymmetries in $B^0 \rightarrow 0$ decays. Physical Review D, 2006, 74, .	1.6	30
355	Evidence for the $B^0 \rightarrow \rho^+ K^0$ and $B^0 \rightarrow \rho^+ \pi^0$ decays and study of the decay dynamics of B meson decays into ρ final states. Physical Review D, 2007, 76, .	1.6	30
356	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	1.4	30
357	Measurement of the $t\bar{t} \rightarrow t\bar{t} + n$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
358	Study of hard double-parton scattering in four-jet events in pp collisions at $s=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	30
359	Charged-particle distributions in pp interactions at $\sqrt{s}=8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	1.4	30
360	Searches for the $Z^0 \rightarrow \tau^+\tau^-$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $s=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	30

#	ARTICLE	IF	CITATIONS
361	Study of $WW\gamma$ and $WZ\gamma$. European Physical Journal C, 2017, 77, 646.	1.4	30
362	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	30
363	Evidence for $t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	30
364	Improved Measurements of CP-Violating Asymmetry Amplitudes in $B^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2005, 95, 151803.	2.9	29
365	Study of $B^0 \rightarrow \pi^+ \pi^-$ decays and determination of $ V_{ub} $. Physical Review D, 2005, 72, .	1.6	29
366	Observation of CP Violation in $B^0 \rightarrow K^0$ Decays. Physical Review Letters, 2007, 98, 031801.	2.9	29
367	Search for D^0 mixing using doubly flavor tagged semileptonic decay modes. Physical Review D, 2007, 76, .	1.6	29
368	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
369	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.	1.4	29
370	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
371	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	29
372	Search for Strange-Pentaquark Production in e^+e^- Annihilation at $s=10.58$ GeV. Physical Review Letters, 2005, 95, 042002.	2.9	28
373	Measurement of the total width, the electronic width, and the mass of the $\Upsilon(10580)$ resonance. Physical Review D, 2005, 72, .	1.6	28
374	Measurement of the Spin of the Λ^0 Hyperon. Physical Review Letters, 2006, 97, 112001.	2.9	28
375	Amplitude Analysis of the $B^0 \rightarrow K^*(892) \pi^0$ Decay. Physical Review Letters, 2007, 99, 201802.	2.9	28
376	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $s = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	28
377	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$. European Physical Journal C, 2017, 77, 804.	1.4	28
378	Measurement of $WW/WZ \rightarrow \ell u q \bar{q}'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s}=8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	1.4	28

#	ARTICLE	IF	CITATIONS
379	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	28
380	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	28
381	Observation of the Decay $B \rightarrow \tau^+ \nu_\tau$, Study of $B \rightarrow \tau^+ K^0$, and Search for $B \rightarrow \tau^+ \nu_\tau$. Physical Review Letters, 2003, 91, 021801.	2.9	27
382	Observation of the decay $B \rightarrow \tau^+ \nu_\tau$ and measurement of the branching fraction and polarization. Physical Review D, 2004, 69, .	1.6	27
383	Measurements of the branching fractions of charged B decays to K^0 final states. Physical Review D, 2004, 70, .	1.6	27
384	Measurement of the $B \rightarrow K^* K^0$ and $B \rightarrow K^* K^0$ branching fractions. Physical Review D, 2004, 70, .	1.6	27
385	Determination of $ V_{ub} $ from Measurements of the Electron and Neutrino Momenta in Inclusive Semileptonic B Decays. Physical Review Letters, 2005, 95, 111801.	2.9	27
386	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	1.4	27
387	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 $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
388	Measurements of top-quark pair differential cross-sections in the $e^+ e^- \rightarrow t \bar{t}$ channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
389	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
390	Measurement of Branching Fractions and Charge Asymmetries in $B \rightarrow \tau^+ \nu_\tau$ and $B \rightarrow \tau^+ \nu_\tau$ Decays, and Search for $B \rightarrow \tau^+ \nu_\tau$. Physical Review Letters, 2004, 93, 051802.	2.9	26
391	Search for the decay $B \rightarrow \tau^+ \nu_\tau$. Physical Review D, 2004, 69, .	1.6	26
392	Measurement of the $B \rightarrow D^* D_s^+ + \text{c.c.}$ and $D_s \rightarrow \tau^+ \nu_\tau$ branching fractions. Physical Review D, 2005, 71, .	1.6	26
393	Measurements of neutral B decay branching fractions to $K_S^0 \nu_\tau$ final states and the charge asymmetry of $B \rightarrow K^* \nu_\tau$. Physical Review D, 2006, 73, .	1.6	26
394	Measurement of the $\langle \mathcal{M} \bar{l} \gamma^\mu l \mathcal{M} \rangle$ fraction and a search for a second-class current in the $B \rightarrow \tau^+ \nu_\tau$ decay. Physical Review D, 2008, 77, .	1.6	26
395	Measurements of electroweak $W W_j$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.4	26
396	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $bb \rightarrow \ell \ell W W$ final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26

#	ARTICLE	IF	CITATIONS
397	Measurement of the Direct CP Asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ Decays. Physical Review Letters, 2004, 93, 021804.	2.9	25
398	Observation of $B^0 \rightarrow K^* K^0$ and Search for $B^0 \rightarrow K^* K^0$. Physical Review Letters, 2008, 100, 081801.	2.9	25
399	A search for τ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 2083.	1.4	25
400	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	25
401	Determination of the top-quark pole mass using $t \bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	1.6	25
402	Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
403	Search for triboson $W^+ W^- W^0$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
404	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
405	Measurement of the branching fraction for inclusive semileptonic B meson decays. Physical Review D, 2003, 67, .	1.6	24
406	Study of the Rare Decays $B^0 \rightarrow D_s^{(*)} \pi^0$ and $B^0 \rightarrow D_s^{(*)} K^+$. Physical Review Letters, 2003, 90, 181803.	2.9	24
407	Measurement of time-dependent CP-violating asymmetries and constraints on $\sin 2\beta$ with partial reconstruction of $B^0 \rightarrow D^{*+} \pi^{\mp}$ decays. Physical Review D, 2005, 71, .	1.6	24
408	Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	1.4	24
409	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions. European Physical Journal C, 2016, 76, 517.	1.4	24
410	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
411	Measurement of fiducial and differential $W^+ W^-$ production cross-sections at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
412	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
413	Measurement of the Cabibbo-Kobayashi-Maskawa Matrix Element $ V_{ub} $ with $B^0 \rightarrow \pi^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 90, 181801.	2.9	23
414	Measurements of Branching Fraction, Polarization, and Charge Asymmetry of $B^0 \rightarrow \pi^0 \pi^0$ and a Search for $B^0 \rightarrow \pi^0 \pi^0$ (980). Physical Review Letters, 2006, 97, 261801.	2.9	23

#	ARTICLE	IF	CITATIONS
415	Determinations of $ V_{ub} $ from Inclusive Semileptonic B Decays with Reduced Model Dependence. Physical Review Letters, 2006, 96, 221801.	2.9	23
416	Production and Decay of χ_{c0} . Physical Review Letters, 2007, 99, 062001.	2.9	23
417	Branching Fraction Measurements of $B \rightarrow \tau^+ \nu_\tau$, $B_0 \rightarrow \tau^+ \nu_\tau$, and $B_0 \rightarrow \tau^+ \nu_\tau$. Physical Review Letters, 2007, 98, 151802.	2.9	23
418	Commissioning of the ATLAS Muon Spectrometer with Cosmic Rays. European Physical Journal C, 2010, 70, 875-916.	1.4	23
419	A measurement of the ratio of the production cross sections for W^+W^- and ZZ bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	1.4	23
420	Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	1.4	23
421	A search for high-mass resonances decaying to $J/\psi, \psi(2S), \psi(3770)$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	23
422	Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	1.4	23
423	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	1.4	23
424	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
425	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
426	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
427	Measurement of the branching fractions for the exclusive decays of B_0 and $B^+ \rightarrow D^{(*)} D^{(*)} K$. Physical Review D, 2003, 68, .	1.6	22
428	Rare B Decays into States Containing a J/ψ Meson and a Meson with s-Quark Content. Physical Review Letters, 2003, 91, 071801.	2.9	22
429	Measurement of branching fractions of color-suppressed decays of the B_0 meson to $D^{(*)} \rho^0, D^{(*)} \omega, D^{(*)} \phi$, and $D_0^* \rho^0$. Physical Review D, 2004, 69, .	1.6	22
430	Measurement of the time-dependent CP-violating asymmetry in $B_0 \rightarrow \tau^+ K_S^0$ decays. Physical Review D, 2005, 72, .	1.6	22
431	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)} \hat{A}^{(*)}$, and implications for the Cabibbo-Kobayashi-Maskawa angle β . Physical Review D, 2006, 73, .	1.6	22
432	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B_0 \rightarrow D^{*+} D^{*+} K_S^0$. Physical Review D, 2006, 74, .	1.6	22

#	ARTICLE	IF	CITATIONS
433	Measurements of the $B^0 \rightarrow D^{*+} e^{-} \bar{\nu}_e$ form factors using the decay $B^0 \rightarrow D^{*+} e^{-} \bar{\nu}_e$. Physical Review D, 2006, 74, .	1.6	22
434	Measurement of Branching Fractions and Charge Asymmetries in B Decays to π^0 Meson and K^0 Meson. Physical Review Letters, 2006, 97, 201802.	2.9	22
435	Measurement of CP-Violating Asymmetries in $B^0 \rightarrow D^{*+} \pi^0$. Physical Review Letters, 2007, 99, 071801.	2.9	22
436	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	22
437	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	1.4	22
438	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
439	Measurement of the $t\bar{t} \rightarrow W^+ W^-$ and $t\bar{t} \rightarrow Z Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
440	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
441	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
442	Measurements of top-quark pair spin correlations in the $t\bar{t} \rightarrow e^+ e^-$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
443	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	22
444	Measurements of CP-Violating Asymmetries in $B^0 \rightarrow K_S^0 \pi^0$ Decays. Physical Review Letters, 2004, 93, 131805.	2.9	21
445	Search for $D^0 \rightarrow D^0$ mixing using semileptonic decay modes. Physical Review D, 2004, 70, .	1.6	21
446	Limit on the $B^0 \rightarrow \pi^0$ Branching Fraction and Implications for the Cabibbo-Kobayashi-Maskawa Angle β . Physical Review Letters, 2005, 94, 131801.	2.9	21
447	Measurement of λ_{π^0} polarization in $W^+ \rightarrow \pi^0 \ell^+ \bar{\nu}_\ell$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2062.	1.4	21
448	Determination of spin and parity of the Higgs boson in the $WW^* \rightarrow e^+ e^- \mu^+ \mu^-$ $WW^* \rightarrow \tau^+ \tau^-$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	1.4	21
449	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
450	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	21

#	ARTICLE	IF	CITATIONS
451	Measurement of hadron and lepton-pair production from e^+e^- annihilation at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 378, 373-384.	1.5	20
452	Measurements of the Branching Fractions and Bounds on the Charge Asymmetries of Charmless Three-Body Charged B Decays. <i>Physical Review Letters</i> , 2003, 91, 051801.	2.9	20
453	Measurements of the Branching Fraction and CP-Violation Asymmetries in $B_0 \rightarrow \pi^+ \pi^0 (980) K_S^0$. <i>Physical Review Letters</i> , 2005, 94, 041802.	2.9	20
454	Measurement of the branching fraction and the CP-violating asymmetry for the decay $B_0 \rightarrow \pi^+ K_S^0 \ell \ell^0$. <i>Physical Review D</i> , 2005, 71, .	1.6	20
455	Measurement of time-dependent CP asymmetries in $B_0 \rightarrow D^{(*)} \bar{A}^{\pm} \ell^{\pm} \ell^{\mp}$ and $B_0 \rightarrow D \bar{A}^{\pm} \ell^{\pm} \ell^{\mp}$ decays. <i>Physical Review D</i> , 2006, 73, .	2.0	20
456	Measurement of $\cos \phi_2$ in $B_0 \rightarrow D^{(*)} h^0$ Decays with a Time-Dependent Dalitz Plot Analysis of $D \rightarrow K_S^0 \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2007, 99, 231802.	2.9	20
457	Observation of Tree-Level $B \rightarrow s \gamma$ Decays with $B \rightarrow s \gamma$ Production from Gluon Radiation. <i>Physical Review Letters</i> , 2008, 100, 171802.	2.9	20
458	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	20
459	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. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	20
460	Measurements of top quark spin observables in $t \bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	20
461	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. <i>European Physical Journal C</i> , 2018, 78, 186.	1.4	20
462	Measurement of the Time-Dependent CP Asymmetry in the $B_0 \rightarrow \pi^+ K^0$ Decay. <i>Physical Review Letters</i> , 2004, 93, 071801.	2.9	19
463	Dalitz plot analysis of $D_0 \rightarrow K^+ K^0 K^+$. <i>Physical Review D</i> , 2005, 72, .	1.6	19
464	Search for $b \rightarrow u$ transitions in $B \rightarrow \pi^+ D^0 K^+$ and $B \rightarrow \pi^+ D^* K^+$. <i>Physical Review D</i> , 2005, 72, .	1.6	19
465	Search for charged Higgs bosons through the violation of lepton universality in $t \bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	19
466	Measurement of k_T splitting scales in $W \rightarrow \tau \nu$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2013, 73, 2432.	1.4	19
467	Search for flavour-changing neutral current top quark decays $t \rightarrow q \gamma$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-65.	1.6	19
468	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	19

#	ARTICLE	IF	CITATIONS
469	Probing lepton flavour violation via neutrinoless $\tau \rightarrow 3\mu$ decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 232.	1.4	19
470	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions at the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 765.	1.4	19
471	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	19
472	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	19
473	Observation of $B \rightarrow K^0 \ell^+ \ell^-$, $B \rightarrow K^* \ell^+ \ell^-$, and $B \rightarrow K^* \ell^+ \ell^-$ and Study of Related Decays. <i>Physical Review Letters</i> , 2004, 92, 061801.	2.9	18
474	Search for Flavor-Changing Neutral Current and Lepton-Flavor Violating Decays of $D^0 \rightarrow \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2004, 93, 191801.	2.9	18
475	Search for $D^0 \rightarrow D^* \ell^+ \ell^-$ Mixing and Branching-Ratio Measurement in the Decay $D^0 \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2006, 97, 221803.	2.9	18
476	Observation of B Meson Decays to $l^+ l^- K$. <i>Physical Review Letters</i> , 2007, 99, 241803.	2.9	18
477	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	18
478	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	18
479	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \tau^+ \tau^-$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	18
480	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	18
481	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	18
482	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	18
483	Measurements of branching fractions in $B \rightarrow K^* \ell^+ \ell^-$ and search for direct CP violation in $B \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2004, 69, .	1.6	17
484	Search for the Rare Leptonic Decay $B \rightarrow \tau^+ \tau^- \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2005, 95, 041804.	2.9	17
485	Measurement of Branching Fractions and Charge Asymmetries in B^+ Decays to $\ell^+ \ell^- K^+$, $\ell^+ \ell^- \pi^+$, and $\ell^+ \ell^- \rho^+$, and Search for B^0 Decays to $\ell^+ \ell^- K^0$ and $\ell^+ \ell^- \pi^0$. <i>Physical Review Letters</i> , 2005, 95, 131803.	2.9	17
486	Measurement of $B \rightarrow D^{(*)} K^* \ell^+ \ell^-$ branching fractions. <i>Physical Review D</i> , 2006, 74, .	1.6	17

#	ARTICLE	IF	CITATIONS
487	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
488	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
489	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
490	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2015, 75, 158.	1.4	17
491	The Laser calibration of the ATLAS Tile Calorimeter during the LHC run 1. Journal of Instrumentation, 2016, 11, T10005-T10005.	0.5	17
492	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
493	Probing the Wtb vertex structure in t-channel single-top-quark production and decay in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
494	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
495	Direct top-quark decay width measurement in the $t \rightarrow t \bar{\nu} + \text{jets}$ channel at $\sqrt{s}=8\text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
496	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
497	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
498	Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
499	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	17
500	Measurement of the Branching Fraction, and Bounds on the CP-Violating Asymmetries, of Neutral B Decays to $D^* \bar{D}^*$. Physical Review Letters, 2003, 90, 221801.	2.9	16
501	Evidence for $B \rightarrow \bar{D}^* \bar{D}^*$ and Search for $B \rightarrow \bar{D}^* \bar{D}^*$. Physical Review Letters, 2003, 90, 231801.	2.9	16
502	Branching Fractions and CP Asymmetries in $B \rightarrow \bar{D}^* \bar{D}^*$ and $B \rightarrow \bar{D}^* \bar{D}^*$. Physical Review Letters, 2004, 93, 181805.	2.9	16
503	Search for CP violation and a measurement of the relative branching fraction in $D \rightarrow \bar{K}^* \bar{K}^* + \text{c.c.}$ decays. Physical Review D, 2005, 71, .	1.6	16
504	Measurement of the $B \rightarrow D^* \bar{D}^*$ lifetime and the $B \rightarrow D^* \bar{D}^*$ oscillation frequency using partially reconstructed $B \rightarrow D^* \bar{D}^*$ decays. Physical Review D, 2006, 73, .	1.6	16

#	ARTICLE	IF	CITATIONS
505	Search for Charged Higgs Boson Decays to B Meson Decays to B Meson $B \rightarrow a c \bar{c} \nu$ Physical Review Letters, 2007, 95, 042001. .	2.9	16
506	Inclusive c -production and e^+e^- annihilations at $\sqrt{s} = 10.54$ GeV and $\Upsilon(4S)$ decays. Physical Review D, 2007, 75, .	1.75	16
507	Measurements of Partial Branching Fractions for $B \rightarrow \tau \nu$ and Determination of $ V_{ub} $. Physical Review Letters, 2008, 100, 171802.	2.9	16
508	Observation of $B \rightarrow a_1(1260) K^0$ and $B \rightarrow a_1(1260) K^+$. Physical Review Letters, 2008, 100, 051803.	2.9	16
509	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	16
510	A microfluidic device with removable packaging for the real time visualisation of intracellular effects of nanosecond electrical pulses on adherent cells. Lab on A Chip, 2012, 12, 4709.	3.1	16
511	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
512	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
513	Top-quark mass measurement in the all-hadronic $t \bar{t} \rightarrow \text{hadrons}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
514	Measurement of colour flow using jet-pull observables in $t \bar{t} \rightarrow \text{hadrons}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
515	Measurement of differential cross sections and W^+ / W^0 cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
516	Measurement of $B \rightarrow D_s^* D^0$ branching fractions and $B \rightarrow D_s^* D^0$ polarization with a partial reconstruction technique. Physical Review D, 2003, 67, .	1.6	15
517	Measurement of the Branching Fraction of $\Upsilon(4S) \rightarrow B B^0$. Physical Review Letters, 2005, 95, 042001.	2.9	15
518	Measurement of the branching ratios $\mathcal{B}(D_s^* \rightarrow D_s \pi^0) / \mathcal{B}(D_s^* \rightarrow D_s \pi^+ \pi^-)$ and $\mathcal{B}(D^0 \rightarrow D^0 \pi^0) / \mathcal{B}(D^0 \rightarrow D^0 \pi^+ \pi^-)$. Physical Review D, 2005, 72, .	1.6	15
519	Measurement of the ratio $\mathcal{B}(B^0 \rightarrow D^0 K^0) / \mathcal{B}(B^0 \rightarrow D^0 \bar{K}^0)$ and of the CP asymmetry of $B^0 \rightarrow D^0 K^0$ decays. Physical Review D, 2005, 71, .	1.6	15
520	Search for $B \rightarrow \tau \nu$ and $B \rightarrow \tau \bar{\nu}$ decays. Physical Review D, 2006, 74, .	1.6	15
521	Measurement of Branching Fractions and Resonance Contributions for $B \rightarrow D^0 K^0 \pi^0$ and Search for $B \rightarrow D^0 K^0 \pi^0$ Decays. Physical Review Letters, 2006, 96, 011803.	2.9	15
522	Search for the Decay $B \rightarrow \tau \nu$ $B \rightarrow \tau \nu$ Physical Review Letters, 2007, 99, 201801.	2.9	15

#	ARTICLE	IF	CITATIONS
523	Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to $K^{\pm} K^{\pm} K^{\pm} K^{\pm} K^{\pm} K^{\pm}$, and $K^{\pm} K^{\pm} K^{\pm} K^{\pm} K^{\pm} K^{\pm}$. Physical Review D, 2007, 76, .	1.6	15
524	Search for decays of B0 mesons into $e^+ e^- \mu^+ \mu^-$ and $e^+ e^- \mu^+ \mu^-$ final states. Physical Review D, 2008, 77, .	1.6	15
525	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	15
526	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
527	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
528	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
529	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
530	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
531	Measurement of event-shape observables in $Z \rightarrow \ell^+ \ell^- Z \rightarrow \ell^+ \ell^-$ events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	1.4	15
532	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e^+ e^- \mu^+ \mu^-$ with the ATLAS detector at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
533	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	1.4	15
534	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
535	Measurement of Time-Dependent CP Asymmetries and the CP-Odd Fraction in the Decay $B^0 \rightarrow D^* + D^{*\prime}$. Physical Review Letters, 2003, 91, 131801.	2.9	14
536	Measurement of Time-Dependent CP-Violating Asymmetries in $B^0 \rightarrow K^* \bar{K}^0 \rightarrow K^* \bar{K}^0$ Decays. Physical Review Letters, 2004, 93, 201801.	2.9	14
537	Measurement of the branching fraction for $B^{\pm} \rightarrow K^{\pm} K^{\pm} K^{\pm}$. Physical Review D, 2004, 69, .	1.6	14
538	Measurement of Time-Dependent CP Asymmetries and Constraints on $\sin(2\hat{\beta} + \hat{\beta}^{\prime})$ with Partial Reconstruction of $B^0 \rightarrow D^* \bar{K}^{\pm}$ Decays. Physical Review Letters, 2004, 92, 251802.	2.9	14
539	Search for Decays of $B^0 \rightarrow e^+ e^- \mu^+ \mu^-$, $B^0 \rightarrow e^+ e^- \mu^+ \mu^-$, $B^0 \rightarrow e^+ e^- \mu^+ \mu^-$. Physical Review Letters, 2005, 94, 221803.	2.9	14
540	Study of the decay $B^0 \rightarrow D^* \bar{K}^{\pm}$. Physical Review D, 2006, 74, .	1.6	14

#	ARTICLE	IF	CITATIONS
541	B-meson decays to $K^* \bar{D}^0$, $K^* \bar{D}^+$, $K^* \bar{D}^*$, and $K^* \bar{D}^*$. Physical Review D, 2006, 74, .	1.6	14
542	Measurement of Branching Fractions and Mass Spectra of $B^0 \rightarrow K^* \bar{D}^0$. Physical Review Letters, 2007, 98, 211804.	2.9	14
543	Search for $B^0 \rightarrow K^* \bar{D}^0$ decays with large $K^* \bar{D}^0$ invariant mass. Physical Review D, 2007, 76, .	1.6	14
544	Branching fraction measurement of $B^0 \rightarrow D^+ D^{*-}$ and $B^0 \rightarrow D^0 D^{*0}$ and isospin analysis of $B^0 \rightarrow D^+ D^{*-}$ decays. Physical Review D, 2007, 75, .	1.6	14
545	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb ⁻¹ of ATLAS data. European Physical Journal C, 2011, 71, 1.	1.4	14
546	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
547	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
548	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
549	Studies of Z^0 production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
550	Measurement of VH , $\mathcal{H} \rightarrow b\bar{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
551	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
552	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	14
553	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
554	Search for $\overline{t}t$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
555	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	14
556	Measurement of Time-Dependent CP Asymmetries in $B^0 \rightarrow D^+ D^{*-}$ Decays and Constraints on $\sin(2\hat{\alpha}_1 + \hat{\beta}_3)$. Physical Review Letters, 2004, 92, 251801.	2.9	13
557	Measurement of the Branching Fractions and CP Asymmetry of $B^0 \rightarrow D^+ D^{*-}$ Decays with the BABAR Detector. Physical Review Letters, 2004, 92, 202002.	2.9	13
558	Search for Factorization-Suppressed $B^0 \rightarrow K^* \bar{D}^0$ Decays. Physical Review Letters, 2005, 94, 171801.	2.9	13

#	ARTICLE	IF	CITATIONS
559	Study of the $B \rightarrow \tau \nu$ decay. Physical Review D, 2005, 72, .	1.6	13
560	Search for the decay $B \rightarrow \tau \nu$. Physical Review D, 2006, 74, .	1.6	13
561	Measurement of the absolute branching fractions $B \rightarrow D^* \tau \nu$ with a missing mass method. Physical Review D, 2006, 74, .	1.6	13
562	Search for the decay $B \rightarrow K^* \tau \nu$. Physical Review D, 2007, 76, .	1.6	13
563	Measurement of the $B \rightarrow \tau \nu$ branching fraction and direct CP asymmetry. Physical Review D, 2007, 75, .	1.6	13
564	Branching fraction and charge asymmetry measurements in $B \rightarrow \tau \nu$ decays. Physical Review D, 2007, 76, .	1.6	13
565	Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
566	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	13
567	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	13
568	Search for lepton flavour violation in the e^+e^- continuum with the ATLAS detector in $\sqrt{s} = 7$ TeV pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	1.4	13
569	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	1.4	13
570	Measurement of the CP-violating phase β_s and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \tau^+ \tau^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
571	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
572	Search for anomalous couplings in the Wtb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	1.6	13
573	Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
574	Search for new phenomena in high-mass final states with a photon and a jet from $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.	1.4	13
575	Searches for compact binary coalescence events using neural networks in the LIGO/Virgo second observation period. Physical Review D, 2021, 103, .	1.6	13
576	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	13

#	ARTICLE	IF	CITATIONS
577	Measurement of the $B^0 \rightarrow \bar{D}^0 \pi^0$ Branching Fraction. Physical Review Letters, 2003, 90, 091801.	2.9	12
578	Study of High Momentum π^0 Production in $B^0 \rightarrow \pi^0 \pi^0$ Xs. Physical Review Letters, 2004, 93, 061801.	2.9	12
579	Search for B^0 Decays to Invisible Final States and $\text{to } \frac{1}{2} \pi^0 \frac{1}{2} \pi^0$. Physical Review Letters, 2004, 93, 091802.	2.9	12
580	Searches for B^0 Decays to Combinations of Two Charmless Isoscalar Mesons. Physical Review Letters, 2004, 93, 181806.	2.9	12
581	Measurements of Branching Fractions and CP-Violating Asymmetries in B Meson Decays to Charmless Two-Body States Containing a K^0 . Physical Review Letters, 2004, 92, 201802.	2.9	12
582	Branching Fraction and CP Asymmetries of $B^0 \rightarrow K^0 K^0 K^0$. Physical Review Letters, 2005, 95, 011801.	2.9	12
583	Search for Radiative Penguin Decays $B^+ \rightarrow \pi^+ \pi^0 \pi^0$, $B^0 \rightarrow \pi^0 \pi^0 \pi^0$, and $B^0 \rightarrow \pi^0 \pi^0 \pi^0$. Physical Review Letters, 2005, 94, 011801. 2.9	2.9	12
584	Measurement of the $B^0 \rightarrow D^+ \pi^-$, $B^0 \rightarrow D^0 \pi^0$, $B^0 \rightarrow D^- \pi^+$ decay rate and $ V_{cb} $. Physical Review D, 2005, 71, .	1.6	12
585	Measurement of CP observables for the decays $B^0 \rightarrow D^0 K^0 K^0$. Physical Review D, 2005, 72, .	1.6	12
586	Branching fraction measurements of charged B decays to $K^+ K^+ K^0$, $K^+ K^+ K^0$, $K^+ K^0 K^0$ and $K^+ K^0 K^0$ final states. Physical Review D, 2006, 74, .	1.6	12
587	Searches for B^0 decays to $\pi^0 K^0$, $\pi^0 \pi^0$, $\pi^0 \pi^0 \pi^0$, and $\pi^0 \pi^0 \pi^0$. Physical Review D, 2006, 74, .	1.6	12
588	Branching fraction limits for B^0 decays to $\pi^0 \pi^0 \pi^0$ and $\pi^0 \pi^0 \pi^0$. Physical Review D, 2006, 73, .	1.6	12
589	Search for the decay $B^+ \rightarrow \pi^+ \pi^0 \pi^0$. Physical Review D, 2006, 73, .	1.6	12
590	Search for the charmed pentaquark candidate $\tilde{c}(3100) \rightarrow \pi^+ \pi^0 \pi^0 \pi^0$ annihilations at $s = 10.58 \text{ GeV}$. Physical Review D, 2006, 73, .	1.6	12
591	Measurement of CP observables for the decays $B^0 \rightarrow D^0 K^0 K^0$. Physical Review D, 2006, 73, .	1.6	12
592	Evidence for $B^0 \rightarrow \pi^0 \pi^0 \pi^0$ Decays and Implications for the Cabibbo-Kobayashi-Maskawa Angle β . Physical Review Letters, 2007, 98, 111801.	2.9	12
593	Measurement of CP asymmetry in $B^0 \rightarrow K^0 \pi^0 \pi^0$ decays. Physical Review D, 2007, 76, .	1.6	12
594	Measurements of the branching fractions of $B^0 \rightarrow K^0 K^+ K^0$, $B^0 \rightarrow K^0 \pi^+ K^0$, $B^0 \rightarrow K^0 K^+ \pi^0$, and $B^0 \rightarrow K^0 \pi^+ \pi^0$. Physical Review D, 2007, 76, .	1.6	12

#	ARTICLE	IF	CITATIONS
595	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	12
596	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb ⁻¹ of s \sqrt{s} = 8 TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
597	Measurement of the $\sigma(\text{b}\bar{\text{b}} + \text{dijet})$ cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	1.4	12
598	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
599	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
600	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
601	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
602	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
603	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
604	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
605	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
606	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
607	Simultaneous measurement of the B meson lifetime and mixing frequency with $B^0 \rightarrow D^{*+} \ell^+ \nu_{\ell}$ decays. Physical Review D, 2003, 67, .	1.6	11
608	Branching fraction measurements of $B^0 \rightarrow \tau^+ \nu_{\tau}$ decays. Physical Review D, 2004, 70, .	1.6	11
609	Measurement of the Branching Fraction and Polarization for the Decay $B^0 \rightarrow D^{*+} \ell^+ \nu_{\ell}$. Physical Review Letters, 2004, 92, 141801.	2.9	11
610	Production and Decay of B^0 at BABAR. Physical Review Letters, 2005, 95, 142003.	2.9	11
611	Measurements of CP-violating asymmetries and branching fractions in B decays to K^0 . Physical Review D, 2006, 74, .	1.6	11
612	Measurement of branching fractions in radiative B decays to K^0 and search for B decays to K^0 . Physical Review D, 2006, 74, .	1.6	11

#	ARTICLE	IF	CITATIONS
613	Search for neutral B-meson decays to $\pi^0 K^0$, $\pi^0 K^*$, and $\pi^0 \rho^0$. Physical Review D, 2007, 75, .	1.6	11
614	Study of B Meson Decays with Excited ρ^0 and $\rho^{\pm 2}$ Mesons. Physical Review Letters, 2008, 101, 091801.	2.9	11
615	Measurement of $W^{\pm 3}$ and $Z^{\pm 3}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	11
616	Measurement of four-jet differential cross sections in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	1.6	11
617	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.	0.5	11
618	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. European Physical Journal C, 2016, 76, 683.	1.4	11
619	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. European Physical Journal C, 2017, 77, 220.	1.4	11
620	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
621	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. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
622	Search for the decay $B^0 \rightarrow J/\psi \pi^0$. Physical Review D, 2004, 70, .	1.6	10
623	Measurement of Time-Dependent CP Asymmetries and the CP-Odd Fraction in the Decay $B^0 \rightarrow D^* + D^*$. Physical Review Letters, 2005, 95, 151804.	2.9	10
624	Evidence for the decay $B^0 \rightarrow K^* \pi^0$. Physical Review D, 2005, 71, .	1.6	10
625	Search for $B^0 \rightarrow J/\psi D$ decays. Physical Review D, 2005, 71, .	1.6	10
626	Measurement of the $D^+ \rightarrow \pi^0 K^+$ and $D^+ \rightarrow K^+ \pi^0$ branching fractions. Physical Review D, 2006, 74, .	1.6	10
627	Measurements of the branching fraction and time-dependent CP asymmetries of $B^0 \rightarrow J/\psi \pi^0$ decays. Physical Review D, 2006, 74, .	1.6	10
628	Measurements of β_c and branching fractions of Cabibbo-suppressed decay modes involving η and η' . Physical Review D, 2007, 75, .	1.6	10
629	Measurement of the relative branching fractions of $B \rightarrow \pi^0 K^+$ and $B \rightarrow \pi^0 K^*$ decays. Physical Review D, 2007, 76, .	1.6	10
630	Study of inclusive B^0 and B^+ decays to flavor-tagged D, Ds, and ψ . Physical Review D, 2007, 75, .	1.6	10

#	ARTICLE	IF	CITATIONS
631	Measurement of the CP-violating asymmetries in $B^0 \rightarrow K^0$ and of the branching fraction $B^0 \rightarrow K^0$. Physical Review D, 2008, 77, .	1.6	10
632	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
633	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
634	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	1.4	10
635	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
636	Measurement of the $t\bar{t}$ 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
637	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
638	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
639	Study of Time-Dependent CP Asymmetry in Neutral B Decays to J/ψ . Physical Review Letters, 2003, 91, 061802.	2.9	9
640	Search for the Rare Leptonic Decay $B \rightarrow \tau^+ \tau^-$. Physical Review Letters, 2004, 92, 221803.	2.9	9
641	Measurement of the branching fractions for inclusive B^0 and B^0 decays to flavor-tagged D, Ds, and \bar{c} . Physical Review D, 2004, 70, .	1.6	9
642	Search for the decay $B^0 \rightarrow \tau^+ \tau^-$. Physical Review D, 2005, 72, .	1.6	9
643	Search for the decay of a B^0 meson to $K^* K^*$. Physical Review D, 2006, 74, .	1.6	9
644	Observation of the exclusive reaction $e^+ e^- \rightarrow \tau^+ \tau^-$ at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2006, 74, .	1.6	9
645	Observation of $e^+ e^-$ Annihilation into the $C=+1$ Hadronic Final States \bar{D}^0 and \bar{D}^0 . Physical Review Letters, 2006, 97, 112002.	2.9	9
646	Observation of Decays $B^0 \rightarrow D_s^* \bar{K}^0$ and $B^0 \rightarrow D_s^* K^+$. Physical Review Letters, 2007, 98, 081801.	2.9	9
647	Search for the reaction $e^+ e^- \rightarrow \tau^+ \tau^-$ at $\sqrt{s} = 10.58$ GeV. Physical Review D, 2007, 75, .	1.6	9
648	Measurement of B decays to K^0 . Physical Review D, 2007, 75, .	1.6	9

#	ARTICLE	IF	CITATIONS
649	Measurement of the Absolute Branching Fraction of $D^0 \rightarrow K^+ \bar{l} \nu$. Physical Review Letters, 2008, 100, 051802.	2.9	9
650	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
651	Measurement of the $\overline{\sigma}(\gamma \rightarrow \text{hadrons})$ 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
652	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
653	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV using the ZZ $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$, $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$, $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$, $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$ and ZZ $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$, $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$, $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$ + $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$ $\hat{\sigma}(\gamma \rightarrow \text{hadrons})$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.		
654	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	9
655	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
656	Evidence for $B^+ \rightarrow K^+ \bar{K}^0$ and $B^0 \rightarrow K^0 \bar{K}^0$, and Measurement of the Branching Fraction and Search for Direct CP Violation in $B^+ \rightarrow K^+ \bar{K}^0$. Physical Review Letters, 2005, 95, 221801.	2.9	8
657	Search for the W-exchange decays $B^0 \rightarrow D_s^{(*)} \bar{D}_s^{(*)+}$. Physical Review D, 2005, 72, .	1.6	8
658	Study of B^+ cinterference in the decay $B^+ \rightarrow [K^+ \bar{l} \nu] D K^+ \bar{l} \nu$. Physical Review D, 2005, 72, .	1.6	8
659	Measurement of the $B^+ \rightarrow D^0 K^+ \bar{l} \nu$ branching fraction. Physical Review D, 2006, 73, .	1.6	8
660	Precise branching ratio measurements of the decays $D^0 \rightarrow \bar{l} \nu \bar{l} \nu$ and $D^0 \rightarrow K^+ K^- \bar{l} \nu$ relative to the $D^0 \rightarrow K^+ \bar{l} \nu$ decay. Physical Review D, 2006, 74, .	1.6	8
661	Search for rare quark-annihilation decays, $B^+ \rightarrow D_s^{(*)} \bar{l} \nu$. Physical Review D, 2006, 73, .	1.6	8
662	Measurement of the ratio $B(B^+ \rightarrow X e^+ \bar{l} \nu) / B(B^0 \rightarrow X e^+ \bar{l} \nu)$. Physical Review D, 2006, 74, .	1.6	8
663	Measurement of the Time-Dependent CP Asymmetry in $B^0 \rightarrow DCP^{(*)} h^0$ Decays. Physical Review Letters, 2007, 99, 081801.	2.9	8
664	Observation of $B^+ \rightarrow \bar{l} \nu K^0$ and measurement of its branching fraction and charge asymmetry. Physical Review D, 2007, 76, .	1.6	8
665	Improved measurement of time-dependent C asymmetries and the P -odd fraction in the decay $B^+ \rightarrow D^0 K^+ \bar{l} \nu$. Physical Review D, 2007, 76, .	1.6	8
666	Measurement of the relative width difference of the $B^0 \rightarrow B^+ \bar{K}^0$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8

#	ARTICLE	IF	CITATIONS
667	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s = 13 \sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
668	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
669	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
670	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
671	Measurements of $W+W^{\pm} + 1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
672	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
673	Reconstruction and identification of boosted di- τ 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
674	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 $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
675	Search for the Radiative Decays $B \rightarrow \tau^+ \tau^- \gamma$ and $B \rightarrow \tau^+ \tau^- \gamma^*$. Physical Review Letters, 2004, 92, 111801.	2.9	7
676	Measurement of Time-Dependent CP Asymmetries in $B \rightarrow D^{(*)} \Delta^{\pm}$ Decays. Physical Review Letters, 2005, 95, 131802.	2.9	7
677	Search for the radiative decay $B \rightarrow \tau^+ \tau^- \gamma$. Physical Review D, 2005, 72, .	1.6	7
678	Observation of $B \rightarrow \tau^+ \tau^- K^*$ and Evidence for $B \rightarrow \tau^+ \tau^- \bar{K}^*$. Physical Review Letters, 2007, 98, 051802.	2.9	7
679	Search for the decays $B \rightarrow \tau^+ \tau^- \gamma$ and $B \rightarrow \tau^+ \tau^- \gamma^*$. Physical Review D, 2008, 77, .	1.6	7
680	Measurement of $\sigma_{\text{au}} \sqrt{s}$, polarisation in $Z/\gamma^* \rightarrow \text{au au}$ Z/γ^* . European Physical Journal C, 2018, 78, 163.	1.4	7
681	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13 \text{ TeV}$ proton-proton collision data. European Physical Journal C, 2021, 81, 1.	1.4	7
682	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
683	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7
684	Measurement of the B meson lifetime with partial reconstruction of $B \rightarrow D^* \tau^+ \nu_{\tau}$ and $B \rightarrow D^* \tau^+ \bar{\nu}_{\tau}$ decays. Physical Review D, 2003, 67, .	1.6	6

#	ARTICLE	IF	CITATIONS
685	Search for the rare decays $B_0 \rightarrow D_s^{(*)} + a_0(2) \pi^{\pm}$. Physical Review D, 2006, 73, .	1.6	6
686	Search for $b \rightarrow u$ transitions in $B \rightarrow \pi^{\pm} K^{\pm}$ decays. Physical Review D, 2007, 76, .	1.6	6
687	Evidence for the Rare Decay $B \rightarrow \pi^{\pm} D_s + \pi^{\mp}$. Physical Review Letters, 2007, 98, .	2.9	6
688	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
689	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
690	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
691	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	1.4	6
692	Bound on the Ratio of Decay Amplitudes for $B^0 \rightarrow \pi^+ \pi^- K^0$ and $B^0 \rightarrow \pi^+ \pi^- \bar{K}^0$. Physical Review Letters, 2004, 93, 081801.	2.9	5
693	Search for $B^0 \rightarrow \pi^+ \pi^- K^0$ and Upper Limit on the Amplitude in $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review Letters, 2004, 93, 131804.	2.9	5
694	Measurements of B meson decays to $\pi^0 K^0$ and $\pi^0 \bar{K}^0$. Physical Review D, 2005, 71, .	1.6	5
695	Measurement of the branching fraction and decay rate asymmetry of $B^0 \rightarrow \pi^+ \pi^- K^0$. Physical Review D, 2005, 72, .	1.6	5
696	Measurement of CP asymmetries in $B \rightarrow \pi^{\pm} K^{\pm}$ decays. Physical Review D, 2007, 76, .	1.6	5
697	Search for the rare charmless hadronic decay $B \rightarrow \pi^0 \pi^0$. Physical Review D, 2008, 77, .	1.6	5
698	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
699	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	1.4	5
700	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	1.4	5
701	Search for the decay $B_0 \rightarrow K_S^0 K_S^0 K_L^0$. Physical Review D, 2006, 74, .	1.6	4
702	Search for B meson decays to $\pi^+ \pi^- K$. Physical Review D, 2006, 74, .	1.6	4

#	ARTICLE	IF	CITATIONS
703	Search for the decay $B \rightarrow \tau^+ \tau^- \nu_\tau$. Physical Review D, 2006, 73, .	1.6	4
704	Observation of $B \rightarrow \tau^+ \tau^- K$ and Evidence for $B \rightarrow \tau^+ \tau^- K$ below \sqrt{s} Threshold. Physical Review Letters, 2006, 97, 261802.	1.6	4
705	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	4
706	Measurement of jet activity in top quark events using the e^+e^- final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
707	Measurement of hadronic event shapes in high- p_T multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
708	Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
709	Determination of the light exposure on the photodiodes of a new instrumented baffle for the Virgo input mode cleaner end-mirror. Classical and Quantum Gravity, 2021, 38, 045002.	1.5	4
710	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu}$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
711	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
712	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
713	Measurement of $\sin^2 \theta_W$ with hadronic and previously unused muonic J/ψ decays. Physical Review D, 2004, 69, .	1.6	3
714	Measurement of the branching fraction for $B \rightarrow \tau^+ \tau^- D^0 K^*$. Physical Review D, 2004, 69, .	1.6	3
715	Publisher's Note: Erratum: Measurement of Branching Fractions and Mass Spectra of $B \rightarrow K^* \ell \ell^3$ [Phys. Rev. Lett. 98, 211804 (2007)] [Phys. Rev. Lett. 100, 189903 (2008)]. Physical Review Letters, 2008, 100, .	2.9	3
716	Measurement of the k_t splitting scales in $Z \rightarrow \tau^+ \tau^- \gamma$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
717	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
718	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s} = 7$) TeV using 4.5 fb^{-1} of data with the ATLAS detector. , 2015, 2015, 1.		3
719	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. , 2015, 75, 1.		3
720	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. , 2015, 75, 1.		3

#	ARTICLE	IF	CITATIONS
721	Measurement of b-quark fragmentation properties in jets using the decay $B^{\pm} \rightarrow J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
722	Measurement of the stray light in the Advanced Virgo input mode cleaner cavity using an instrumented baffle. Classical and Quantum Gravity, 2022, 39, 115011.	1.5	3
723	Search for prompt production of $\chi(3872)$ in e^+e^- annihilations. Physical Review D, 2007, 76, .	1.6	2
724	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	1.2	2
725	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
726	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2
727	B physics in ATLAS. Nuclear Physics, Section B, Proceedings Supplements, 1996, 50, 303-310.	0.5	1
728	Operational experience with the DIRC detector. IEEE Transactions on Nuclear Science, 2002, 49, 1071-1076.	1.2	1
729	Measurement of the average Γ multiplicity in B meson decay. Physical Review D, 2004, 69, .	1.6	1
730	Search for the rare decay $B^0 \rightarrow \pi^+ D^{*0}$. Physical Review D, 2005, 72, .	1.6	1
731	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. , 2016, 76, 1.		1
732	Publisher's Note: Search for the Rare Leptonic Decay $B^+ \rightarrow \pi^+ \ell^+ \ell^-$ [Phys. Rev. Lett. 92, 221803 (2004)]. Physical Review Letters, 2004, 93, .	2.9	0
733	Publisher's Note: Search for the rare charmless hadronic decay $B^+ \rightarrow \pi^+ a_0$ [Phys. Rev. D 77, 011101 (2008)]. Physical Review D, 2008, 77, .	1.6	0
734	Publisher's Note: Search for the rare charmless hadronic decay $B^+ \rightarrow \pi^+ \rho^0$ [Phys. Rev. D 77, 011101 (2008)]. Physical Review D, 2008, 77, .	1.6	0