

# Abner Soffer

## List of Publications by Year in descending order

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765  
papers

40,849  
citations

4120

87  
h-index

6113

159  
g-index

794  
all docs

794  
docs citations

794  
times ranked

12925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Particle Physics. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	3,177
2	The BABAR detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 479, 1-116.	0.7	1,216
3	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
4	Observation of a Narrow Meson State Decaying to $D_s^+ \pi^0$ at a Mass of $2.32 \pm 0.04 \text{ GeV}/c^2$ . 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	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .	1.8	384
8	Study of the $B^0 \rightarrow J/\psi K^0$ decay and measurement of the $B^0 \rightarrow X(3872) K^0$ branching fraction. Physical Review D, 2005, 71, .	1.6	375
9	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
10	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
11	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
12	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
13	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
14	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and $8 \text{ TeV}$ in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
15	Search for Invisible Decays of a Dark Photon Produced in $pp$ Collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Physical Review Letters, 2017, 119, 131804.	2.9	272
16	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
17	Determining $\Gamma^3$ using $B^0 \rightarrow \pi^+ D K^{\pm}$ with multibody decays. Physical Review D, 2003, 68, .	1.6	261
18	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259

#	ARTICLE	IF	CITATIONS
19	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
20	Averages of b-hadron, c-hadron, and $\tau$ -lepton properties as of 2018. European Physical Journal C, 2021, 81, 1.	1.4	248
21	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

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#	ARTICLE	IF	CITATIONS
37	Measurement of the transverse momentum and $\phi_{\eta}^*$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
38	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
39	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
40	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
41	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^+$ , $W^-W^-$ . European Physical Journal C, 2017, 77, 367.	1.4	145
42	Measurement of the $t\bar{t}$ production cross-section using $e^+e^-$ events with $b$ -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
43	Observation of a New $D_s$ Meson Decaying to $D$ at a Mass of $2.86 \pm 0.06$ GeV/c <sup>2</sup> . Physical Review Letters, 2006, 97, 222001.	2.9	139
44	Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K^* \ell^+ \ell^-$ , $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 2006, 73, .	1.6	137
45	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
46	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
47	Study of time-dependent CP-violating asymmetries and flavor oscillations in neutral B decays at the $\Upsilon(4S)$ . Physical Review D, 2002, 66, .	1.6	134
48	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
49	Measurement of the $Z/\gamma^*$ 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
50	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
51	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
52	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
53	Measurement of CP-Violating Asymmetries in B <sup>0</sup> Decays to CP Eigenstates. Physical Review Letters, 2001, 86, 2515-2522.	2.9	125
54	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125

#	ARTICLE	IF	CITATIONS
55	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	124
56	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in $\sqrt{s}=8\text{ TeV}$ pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123
57	Search for the $Z \rightarrow b\bar{b}$ in $\sqrt{s}=8\text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 349. Review D, 2009, 79, .		

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73	Observation of an Excited Charm Baryon $\Lambda_c^* \rightarrow \Lambda_c^0 \gamma$ . Physical Review Letters, 2006, 97, 232001.	2.9	102
74	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	102
75	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	1.4	101
76	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.4	101
77	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	100
78	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
79	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	1.4	95
80	Measurement of time-dependent asymmetry in $B^0 \rightarrow K^0 \pi^0$ decays. Physical Review Letters, 2013, 111, 111801.	1.4	95

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91	Observation of the Semileptonic Decays $B \rightarrow \hat{\tau}^+ D^* \ell^-$ and Evidence for $B \rightarrow \hat{\tau}^+ \ell^-$ and $B \rightarrow \hat{\tau}^+ \ell^- \ell'^+$ decays. Physical Review Letters, 2008, 100, 021801.	2.9	85
92	Collider searches for long-lived particles beyond the Standard Model. Progress in Particle and Nuclear Physics, 2019, 106, 210-255.	5.6	85
93	Measurement of the $B \rightarrow \tau^+ \ell^- \ell'^+$ Semileptonic Branching Fraction with Lepton Tags. Physical Review Letters, 1996, 76, 1570-1574.	2.9	84
94	Study of the $X(3872)$ and $Y(4260)$ in $B \rightarrow \tau^+ \ell^- \ell'^+$ and $B \rightarrow \tau^+ \ell^- \ell'^+$ decays. Physical Review D, 2006, 73, 116001.	1.6	84
95	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
96	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
97	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
98	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
99	Measurement of the prompt $J/\psi$ 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
100	Observation of a narrow meson decaying to $D_s^+ \ell^- \ell'^+$ at a mass of 2.458 GeV/c <sup>2</sup> . Physical Review D, 2004, 69, 117001.	1.6	80
101	Search for a charged partner of the $X(3872)$ in the $B$ meson decay $B \rightarrow X^+ K^0 \ell^- \ell'^+$ . Physical Review D, 2005, 71, 117001.	1.6	80
102	Search for dark matter at $\sqrt{s} = 13$ 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
103	Search for production of $W^+ W^- W$ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
104	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
105	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Study of excited charm-strange baryons with evidence for new baryons	1.4	79
106	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
107	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
108	Time-integrated and time-dependent angular analyses of $B \rightarrow \tau^+ \ell^- \ell'^+$ : A measurement of $\cos^2 \theta_{\tau \ell}$ with no sign ambiguity from strong phases. Physical Review D, 2005, 71, 117001.	1.6	77

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109	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
110	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
111	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
112	Angular analysis of $B_0 \rightarrow K^{*0} \ell^+ \ell^-$ decays in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
113	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
114	Measurement of quarkonium production in proton-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
115	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
116	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
117	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
118	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
119	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
120	Search for supersymmetry at $\sqrt{s}=13\text{ TeV}$ 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
121	Measurements of the Absolute Branching Fractions of $B \rightarrow K^* X_{cc}$ . Physical Review Letters, 2006, 96, 052002.	2.9	71
122	Search For $T, CP,$ and $CPT$ Violation in $B_0 \rightarrow B^0$ Mixing with Inclusive Dilepton Events. Physical Review Letters, 2006, 96, 251802.	2.9	71
123	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8\text{ TeV}$ proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	71
124	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
125	Search for a high-mass Higgs boson decaying to a $W$ boson pair in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
126	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



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127	Measurement of the $B \rightarrow \tau^+ \mu^- K$ branching fraction and study of the decay dynamics. Physical Review D, 2005, 72, .	1.6	70
128	Direct measurement of the $B \rightarrow P K$ , Lepton Flavor, and Isospin Asymmetries in the Decays $B \rightarrow \tau^+ K$ . Physical Review D, 2008, 78, .	2.9	70
129	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
130	Search for resonances in diphoton events at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
131	Evidence for direct CP violation from Dalitz-plot analysis of $B \rightarrow \tau^+ K^0$ . Physical Review D, 2008, 78, .	1.6	69
132	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \nu_\tau$ in fully hadronic final states using pp collision data at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
133	Measurement of the $B \rightarrow \tau^+ X s$ branching fraction and photon energy spectrum using the recoil method. Physical Review D, 2008, 77, .	1.6	68
134	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
135	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	68
136	Measurement of charged-particle spectra in Pb+Pb collisions at $s_{NN} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
137	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
138	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	67
139	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
140	A search for $t \bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
141	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
142	Search for CP violation in the Decays $D \rightarrow \tau^+ K^0$ and $D \rightarrow \tau^+ \bar{K}^0$ . Physical Review Letters, 2008, 100, 061803.	2.9	65
143	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
144	Exclusive Branching-Fraction Measurements of Semileptonic $B_c$ Decays into Three Charged Hadrons, $B_c \rightarrow \tau^+ \bar{K}^0 \ell^+$ , and $B_c \rightarrow \tau^+ \bar{K}^0 \ell^+$ . Physical Review Letters, 2008, 100, 011801.	2.9	64

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145	Measurement of the $W \rightarrow e, \mu$ and $Z \rightarrow e, \mu$ 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
146	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
147	Observation and measurements of the production of prompt and non-prompt $\Upsilon$ 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
148	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
149	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
150	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \nu$ decays. Physical Review D, 2004, 69, .	1.6	63
151	Dalitz plot analysis of the decay $B \rightarrow K^* K^* K^*$ . Physical Review D, 2006, 74, .	1.6	63
152	Measurement of the differential cross-sections of prompt and non-prompt production of $J/\psi$ 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
153	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
154	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
155	Measurement of $ZZ$ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $ZZZ$ and $ZZ\gamma$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
156	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
157	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
158	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
159	Prompt and non-prompt $J/\psi$ 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
160	Search for doubly charged scalar bosons decaying into same-sign $W$ boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
161	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
162	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

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163	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
164	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u u + b \bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
165	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
166	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
167	Flavor-Specific Inclusive B Decays to Charm. Physical Review Letters, 1998, 80, 1150-1155.	2.9	59
168	Observation of the Decay $B \rightarrow J/\psi K$ and Search for $X(3872) \rightarrow J/\psi K$ . Physical Review Letters, 2004, 93, 041801.	2.9	59
169	Dalitz plot analysis of $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 2009, 79, .	1.6	59
170	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
171	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
172	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
173	Search for direct top-quark 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
174	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
175	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^- \ell$ , in the $\ell, +$ jets and $\ell, +$ lepton final states with 36 fb <sup>-1</sup> of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59
176	Observation of $B \rightarrow K^* K$ and $B \rightarrow K^* K^0$ . Physical Review Letters, 2006, 97, 171805.	2.9	58
177	Measurement of the Branching Fraction and Photon Energy Moments of $B \rightarrow X_s \gamma$ and $A \rightarrow X_s \gamma$ . Physical Review Letters, 2006, 97, 171803.	2.9	58
178	Measurements of $B \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 2009, 79, .	1.6	58
179	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
180	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

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181	Study of $B \rightarrow D_s^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2004, 93, 181801.	2.9	56
182	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	56
183	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
184	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
185	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	56
186	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
187	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	1.6	55
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344	Determination of the strong coupling constant $\alpha_s$ from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	1.4	32
345	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow c\bar{c}$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32
346	Study of hadronic transitions between $\chi_{c1}$ and $\chi_{c2}$ states and observation of $\chi_{c1}$ states and observation of $\chi_{c2}$ states. Physical Review Letters, 2016, 116, 122001.	1.6	31
347	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
348	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
349	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
350	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
351	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
352	Measurement of inclusive and differential cross sections in the $H \rightarrow Z^* \tau^+ \tau^- 4a_s$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
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354	Search for W/W/Z resonance production in $\tau^+ \tau^- q\bar{q}$ 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
355	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
356	Study of $B \rightarrow D^{(*)} D_s(J)^{(*)}$ decays and measurement of $D_s \rightarrow \tau^+ \tau^-$ and $D_s(2460) \rightarrow \tau^+ \tau^-$ branching fractions. Physical Review D, 2006, 74, .	1.6	30
357	Measurement of $C$ and $P$ -violating asymmetries in $B \rightarrow 0$ decays. Physical Review Letters, 2008, 101, 161801.	1.6	30
358	Evidence for the $B \rightarrow \tau^+ \tau^- K^0$ and $B \rightarrow \tau^+ \tau^- c\bar{c}$ decays and study of the decay dynamics of B meson decays into $\tau^+ \tau^-$ final states. Physical Review D, 2007, 76, .	1.6	30
359	Study of the decay $D \rightarrow s C$ and $D \rightarrow s P$ decays. Physical Review D, 2008, 78, .	1.6	30
360	Observation and Polarization Measurements of $B \rightarrow \tau^+ \tau^- c\bar{c}$ decays. Physical Review Letters, 2008, 101, 161801.	2.9	30

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362	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
363	Measurement of the $t\bar{t}$ 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
364	Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	30
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368	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
369	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	30
370	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
371	Measurement of $B^0 \rightarrow B^0$ Flavor Oscillations in Hadronic Decays. Physical Review Letters, 2002, 88, 221802.	2.9	29
372	Search for $D^0 \rightarrow D^0$ mixing using doubly flavor tagged semileptonic decay modes. Physical Review D, 2007, 76, .	1.6	29
373	Measurement of Semileptonic $B$ Decays into Orbitally Excited Charmed Mesons. Physical Review Letters, 2009, 103, 051803.	2.9	29
374	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
375	Measurement of angular asymmetries in the decays $B^0 \rightarrow K^* \gamma$ . Physical Review D, 2016, 93, .	1.6	29
376	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
377	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
378	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29

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383	Measurement of the branching fraction, polarization, and asymmetries in $C \rightarrow P$ decays. Physical Review Letters, 2007, 99, 201802.	1.6	28
384	Measurement of the Branching Fractions of Exclusive $B \rightarrow \hat{a}^+ \hat{K}^*(892) \hat{a}^-$ Decays. Physical Review Letters, 2007, 99, 201802.	1.6	28
385	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
386	Measurement of lepton differential distributions and the top quark mass in $t \bar{t} \hat{a}^-$ . European Physical Journal C, 2017, 77, 804.	1.4	28
387	Measurement of $WW/WZ \rightarrow \ell u q \hat{q}'$ 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
388	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	28
389	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
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392	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
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394	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	28
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399	Improved Measurement of $B \rightarrow D^* \pi$ . Physical Review D, 2008, 78, .	1.6	27
400	Determination of the Quark-Mixing Phase Angle $\beta$ . Physical Review D, 2008, 78, .	2.9	27
401	Measurement and interpretation of $B \rightarrow D^* \pi$ moments in inclusive semileptonic decays. Physical Review D, 2010, 81, .	1.6	27
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404	Measurements of top-quark pair differential cross-sections in the $e^+ e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
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406	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
407	Measurement of the top-quark mass in $t \bar{t} + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
408	Searching for a sterile neutrino that mixes predominantly with $\nu_{\tau}$ at $B \rightarrow D^* \pi$ factories. Physical Review D, 2020, 101, .	1.6	27
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410	Measurement of Branching Fractions and Charge Asymmetries in $B \rightarrow \pi^+ \rho^0$ and $B \rightarrow \pi^0 \rho^+$ Decays, and Search for $B \rightarrow \pi^0 \rho^0$ . Physical Review Letters, 2004, 93, 051802.	2.9	26
411	Search for the decay $B_0 \rightarrow \pi^+ \pi^-$ . Physical Review D, 2004, 69, .	1.6	26
412	Measurement of the $B \rightarrow D^* \pi^+ D_s^* + \text{c.c.}$ branching fractions. Physical Review D, 2005, 71, .	1.6	26
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414	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 $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26



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416	Observation of $B^0 \rightarrow K^* K^0$ and Search for $B^0 \rightarrow K^* K^0$ . <i>Physical Review Letters</i> , 2008, 100, 081801.	2.9	25
417	Measurements of $B^0 \rightarrow \ell^+ \ell^- \mu^+ \mu^-$ Branching Fractions and Determination of $ V_{ub} $ with Semileptonically Tagged $B$ Mesons. <i>Physical Review Letters</i> , 2008, 101, 081801.	2.9	25
418	A search for $\rho(770)$ resonances with the ATLAS detector in $2.05 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . <i>European Physical Journal C</i> , 2012, 72, 2083.	1.4	25
419	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. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	25
420	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	25
421	Determination of the top-quark pole mass using $t \bar{t} + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	25
422	Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	25
423	Search for triboson $W^+ W^+ W^-$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 141.	1.4	25
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425	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	25
426	Using untagged $B^0 \rightarrow DK$ to determine $\beta_3$ . <i>Physical Review D</i> , 2004, 69, .	1.6	24
427	Measurement of time-dependent CP-violating asymmetries and constraints on $\sin 2\beta_1$ with partial reconstruction of $B^0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review D</i> , 2005, 71, .	1.6	24
428	Study of $B \rightarrow K^* \ell^+ \ell^-$ meson decays to $B \rightarrow K^* \ell^+ \ell^-$ decays. <i>Physical Review D</i> , 2005, 71, .	1.6	24
429	Measurement of the Decay $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review Letters</i> , 2008, 100, 231803.	2.9	24
430	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. <i>European Physical Journal C</i> , 2016, 76, 605.	1.4	24
431	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions. <i>European Physical Journal C</i> , 2016, 76, 517.	1.4	24
432	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. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	24

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433	<p>Extraction of form Factors from a Four-Dimensional Angular Analysis of <math>B \rightarrow D^* \ell^+ \ell^-</math> decays. <i>Physical Review Letters</i>, 2019, 123, 091801.</p>	2.9	24
434	<p>Measurement of fiducial and differential <math>W^+W^-</math> production cross-sections at <math>\sqrt{s}=13</math> TeV with the ATLAS detector. <i>European Physical Journal C</i>, 2019, 79, 1.</p>	1.4	24
435	<p>Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i>, 2020, 2020, 1.</p>	1.6	24
436	<p>Estimate of the branching fraction <math>\mathcal{B}(B \rightarrow D^* \ell^+ \ell^-)</math> for <math>\ell = e, \mu</math>. <i>Physical Review Letters</i>, 2020, 125, 091801.</p>		

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452	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	22
453	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	1.4	22
454	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 $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
455	Measurement of the $t\bar{t} \rightarrow W^+ W^-$ and $t\bar{t} \rightarrow Z Z$ production cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
456	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W W \rightarrow \ell \ell$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
457	Measurement of the spectral function for the $B \rightarrow \pi^+ \pi^- K^0$ decay. Physical Review D, 2018, 98, 014011.	1.6	22
458	Search for pair production of heavy vector-like quarks decaying into high- $p_T$ W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	22
459	Measurements of top-quark pair spin correlations in the $t\bar{t} \rightarrow e^+ e^-$ channel at $\sqrt{s} = 13 \text{ TeV}$ using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
460	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	22
461	Measurement of the $B^0$ and $B^+$ Meson Lifetimes with Fully Reconstructed Hadronic Final States. Physical Review Letters, 2001, 87, 201803.	2.9	21
462	Search for the Rare Decay $B \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ . Physical Review Letters, 2007, 99, 051801.	2.9	21
463	An estimate of the branching fraction of $B \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ . Physical Review D, 2009, 80, 014011.	1.6	21
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465	Measurement of the production cross-section of $\tilde{t}(2S) \rightarrow J/\psi(\tilde{\ell}_1 \ell_1 + \tilde{\ell}_2 \ell_2) + \tilde{\ell} \ell$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
466	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu u$ $W W \rightarrow \tilde{\ell}_1 \ell_1 \tilde{\ell}_2 \ell_2$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	1.4	21
467	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
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470	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, .	1.4	21
471	Search for a Dark Leptophilic Scalar in $e^+e^- \rightarrow e^+e^- + \chi^0 \chi^0$ decays. Physical Review Letters, 2020, 125, 181801.	2.9	21
472	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	21
473	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{*\pm} \pi^{\mp}$ decays. Physical Review D, 2006, 73, .	1.6	20
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475	Isospin analysis of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decay to three pions. Physical Review D, 2008, 78, .	1.6	20
476	Observation of Tree-Level $B \rightarrow s \gamma$ Decays with Gluon Radiation. Physical Review Letters, 2008, 100, 171803.	2.9	20
477	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
478	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
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483	Improved measurements for $B \rightarrow \pi^0 K^*$ and $B \rightarrow \pi^0 K^0$ meson decays to $\pi^+ \pi^-$ and $\pi^0 \pi^0$ final states. Physical Review Letters, 2008, 101, 171803.	1.6	19
484	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19
485	Measurement of $k_T$ splitting scales in $W \rightarrow e \nu_e$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
486	Search for flavour-changing neutral current top quark decays $t \rightarrow H q$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	1.6	19

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488	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
489	Probing lepton flavour violation via neutrinoless $\nu\bar{\nu} \rightarrow 3\mu$ , $\tau \rightarrow 3\mu$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	1.4	19
490	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	1.4	19
491	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	1.4	19
492	Search for top-quark decays $t \rightarrow Hq$ with $36 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	19
493	Search for squarks and gluinos in final states with same-sign leptons and jets using $139 \text{ fb}^{-1}$ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
494	Measurement of the integrated luminosity of the Phase 2 data of the Belle II experiment *. Chinese Physics C, 2020, 44, 021001.	1.5	19
495	Measurement of light-by-light scattering and search for axion-like particles with $2.2 \text{ nb}^{-1}$ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
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