

# Jahred Adelman

## List of Publications by Year in descending order

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1,281  
papers

70,937  
citations

944

115  
h-index

2500

196  
g-index

1310  
all docs

1310  
docs citations

1310  
times ranked

14286  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	1.5	6,386
2	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
3	Combined Measurement of the Higgs Boson Mass in $pp$ Collisions at $\sqrt{s}=7$ and $8$ TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803	2.9	1,062
4	Measurement of the $J/\psi$ meson and $b$ -hadron production cross sections in $pp$ collisions at $\sqrt{s}=1960$ GeV. Physical Review D, 2005, 71, .	1.6	624
5	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	581
6	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
7	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC $pp$ collision data at $\sqrt{s}=7$ and $8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	473
8	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 292.	1.4	453
9	Observation of Associated Near-Side and Away-Side Long-Range Correlations in $pp$ Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 102302	1.4	411
10	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	1.1	365
11	Improved luminosity determination in $pp$ collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
12	Combined search for the Standard Model Higgs boson using up to $4.9 \text{ fb}^{-1}$ of $pp$ collision data at $\sqrt{s}=7$ and $8$ TeV with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	1.5	358
13	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
14	Charged-particle multiplicities in $pp$ interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
15	Observation of $B_s$ Oscillations. Physical Review Letters, 2006, 97, 242003.	2.9	311
16	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.5	307
17	Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 581.	1.4	298
18	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	1.5	295

#	ARTICLE	IF	CITATIONS
19	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
20	Evidence for a Narrow Near-Threshold Structure in the $J/\psi$ Mass Spectrum in $B \rightarrow J/\psi K$ Decays. Physical Review Letters, 2009, 102, 242002.	2.9	275
21	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
22	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
23	Determination of the jet energy scale at the Collider Detector at Fermilab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 566, 375-412.	0.7	259
24	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
25	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
26	Combined measurements of Higgs boson production and decay using up to 80 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2020, 101, .	2.1	241
27	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
28	Search for high-mass dilepton resonances in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2014, 90, .	1.6	237
29			

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37	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	1.4	213
38	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	1.4	209
39	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	1.4	204
40	Observation of Electroweak Single Top-Quark Production. Physical Review Letters, 2009, 103, 092002.	2.9	199
41	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	1.4	197
42	Search for high-mass dilepton resonances using 139 fb <sup>-1</sup> of pp collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	1.5	196
43	Search for lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	1.5	195
44	Analysis of the Quantum Numbers of the X(3872) Particle. Physical Review Letters, 2007, 98, 132002.	2.9	193
45	Polarizations of the X(3872) Particle. Physical Review Letters, 2007, 98, 132002.	2.9	192
46	Measurements of inclusive $W$ and $Z$ cross sections in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	1.4	188
47	Forward-Backward Asymmetry in Top-Quark Production in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 132002.	2.9	187
48	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s} = 13$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2016, 117, 182002.	2.9	185
49	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	1.4	181
50	First Flavor-Tagged Determination of Bounds on Mixing-Induced $CP$ Violation in $B_s$ Decays. Physical Review Letters, 2008, 100, 161802.	2.9	179
51	Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
52	Measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ decay channel. Physical Review Letters, 2012, 109, 161801.	1.6	176
53	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	175
54	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	1.4	174

#	ARTICLE	IF	CITATIONS
55	Search for $B_s \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$ Decays with $\sqrt{s} = 7$ TeV of pp Collisions. Physical Review Letters, 2008, 100, 101802	2.9	171
56	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
57	Search for new particles decaying into dijets in proton-antiproton collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 100, 101802	1.6	171
58	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with $\sqrt{s} = 4.9$ TeV. Physical Review Letters, 2012, 108, 111803	2.9	171
59	Measurement of the inclusive cross section for $W \rightarrow \mu^+ \mu^-$ and $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	1.5	169
60	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191.	1.5	169
61	Search for new high-mass phenomena in the dilepton final state using $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	2.9	168
62	Measurement of the inclusive cross section for $W \rightarrow \mu^+ \mu^-$ and $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	1.6	168
63	Measurement of the inclusive cross section for $W \rightarrow \mu^+ \mu^-$ and $Z \rightarrow \mu^+ \mu^-$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	0.9	163
64	Measurements of Higgs boson production and couplings in the four-lepton channel in $\sqrt{s} = 7$ and $8$ TeV with the ATLAS detector. Physical Review D, 2015, 91, 072004.	1.6	158
65	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, 012001.	1.6	157
66	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	0.9	155
67	Measurement of the transverse momentum and $\phi_{T, \hat{n}}$ 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
68	Measurement of the inclusive jet cross section at the Fermilab Tevatron collider using a cone-based jet algorithm. Physical Review D, 2008, 78, 112001.	2.9	153
69	Measurement of the inclusive jet cross section at the Fermilab Tevatron collider using a cone-based jet algorithm. Physical Review D, 2008, 78, 112001.	1.6	149
70	Measurement of hard double-parton interactions in $W \rightarrow \mu^+ \mu^-$ + 2-jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	1.2	147
71	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

#	ARTICLE	IF	CITATIONS
73	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
74	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
75	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^0$ . European Physical Journal C, 2017, 77, 367.	1.4	145
76	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 8\text{TeV}$ with the ATLAS Detector. Physical Review Letters, 2018, 121, 211801.	2.9	145
77	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	1.4	143
78	Measurement of the $t\bar{t}A$ production cross-section using $e^+e^-$ events with $b$ -tagged jets in pp collisions at $\sqrt{s} = 7$ and $8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
79	Measurement of the $B_s^0 \rightarrow B^0$ Oscillation Frequency. Physical Review Letters, 2006, 97, 062003.	2.9	141
80	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
81	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	1.5	138
82	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
83	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ pp Collisions. Physical Review Letters, 2011, 106, 131802.	1.6	137
84	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.	2.9	136
85	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7\text{TeV}$ using the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
87	Measurements of the Nuclear Modification Factor for Jets in $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ pp Collisions at $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ pp Collisions. Physical Review C, 2014, 90, .	2.9	135
88	Measurement of event-plane correlations in $pp$ collisions at $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ with the ATLAS detector. Physical Review C, 2014, 90, .	1.4	134
89	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 7\text{TeV}$ and $8\text{TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 21-42.	1.4	133
90	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	2.9	133

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91	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
92	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
93	Search for Invisible Decays of a Higgs Boson Produced in Association with a $Z$ Boson in ATLAS. Physical Review Letters, 2014, 112, .	2.9	130
94	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
95	Search for Dark Matter in Events with a Hadronically Decaying $W$ Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	2.9	129
96	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
97	Search for $Z$ boson production in association with a $W$ boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review Letters, 2014, 112, 041802.	1.5	126
98	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
99	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.	1.6	126
100	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
101	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. Physical Review D, 2006, 73, .	1.6	124
102	Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P12006-P12006.	0.5	124
103	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Physical Review Letters, 2014, 112, 041802.	1.4	124
104	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.	2.9	123
105	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
106	Measurement of the Dipion Mass Spectrum in $X(3872) \rightarrow \pi^+\pi^-\pi^+\pi^-$ Decays. Physical Review Letters, 2006, 96, 102002.	2.9	121
107	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
108	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	121

# ARTICLE IF CITATIONS

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# ARTICLE IF CITATIONS

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#	ARTICLE	IF	CITATIONS
145	Search for Charged Higgs Bosons in Decays of Top Quarks in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	2.9	102
146	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
147	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
148	Searches for Higgs boson pair production in the $ZZ$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.6	101
149	Search for heavy ZZ resonances in the $ZZ$ 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
150	Evidence for $D^0$ mixing in $B^0$ decays using the CDF II Detector. Physical Review Letters, 2008, 100, 121802.	2.9	100
151	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
152	Search for high-mass diphoton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	99
153	Search for Higgs Boson Pair Production in the $ZZ$ Final State Using pp Collision Data from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.	2.9	98
154	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 761, 761-764.	2.9	98
155	Search for Higgs boson decaying to $Z\gamma$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 761, 761-764.	2.9	97
156	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using $\sqrt{s} = 8$ TeV Data. Physical Review Letters, 2020, 125, 051801.	2.9	97
157	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	1.4	95
158	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
159	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
160	Precision Measurement of the $ZZ$ Final State Using pp Collision Data from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.	2.9	94
161	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ$ using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 761, 761-764.	1.6	93
162	Centrality and rapidity dependence of inclusive jet production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	1.6	93

#	ARTICLE	IF	CITATIONS
163	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
164	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
165	Production Charge Asymmetry in $W$ Collisions Search for massive, long-lived particles using multi-vertex displaced vertices or displaced lepton pairs	2.9	91
166	Search for massive, long-lived particles using multi-vertex displaced vertices or displaced lepton pairs in $pp$ collisions at $\sqrt{s} = 1.96$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	91
167	Search for dark matter in events with a $Z$ boson and missing transverse momentum	2.9	90
168	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.6	90
169	Search for the $b\bar{b} \rightarrow Z$ 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.	1.4	90
170	Search for the $b\bar{b} \rightarrow Z$ 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
171	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
172	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
173	Measurement of $W$ and $Z$ -boson production cross sections in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 601-621.	2.9	88
174	Search for High-Mass Resonances Decaying to Dimuons at CDF. Physical Review Letters, 2009, 102, 091805.	2.9	87
175	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
176	Observation and Mass Measurement of the Baryon $\Lambda_b^0$ . Physical Review Letters, 2007, 99, 052002.	2.9	86
177	Measurement of multi-particle azimuthal correlations in $pp$ , $p$ -Pb and low-multiplicity Pb-Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
178	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physical Review C, 2015, 92, .	1.4	84
179	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
180	Measurement of Inclusive Jet Cross Sections in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 601-621.	2.9	83

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181	Measurement of Bottom-Quark Hadron Masses in Exclusive $B \rightarrow \ell \bar{\nu} \ell'$ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
182	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
183	Observation of an Excited $B_c$ State with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	2.9	82
184	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
185	Search for Large Extra Dimensions in Final States Containing One Photon or Jet and Large Missing Transverse Energy Produced in $pp$ Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 107, 272002.	2.9	81
186	Search for Dilepton Resonances in $pp$ Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 107, 272002.	2.9	81
187	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
188	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
189	Observation of Orbitally Excited $B_c$ Mesons. Physical Review Letters, 2014, 113, 212004.	2.9	80
190	Observation of Spin Correlation in $pp$ Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 107, 272002.	2.9	80
191	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
192	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $pp$ collisions with. Physical Review D, 2020, 101, .	1.6	80
193	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	2.9	79
194	Search for production of $W$ / $WZ$ 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
195	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
196	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. European Physical Journal C, 2018, 78, 565.	1.4	79
197	Measurement of upsilon production in $pp$ collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78
198	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

#	ARTICLE	IF	CITATIONS
199	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. Physical Review D, 2010, 82, .	1.6	77
200	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.	1.4	77
201	Light-quark and gluon jet discrimination in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
202	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
203	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	77
204	Study of jet shapes in inclusive jet production in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	76
205	Evidence for the Exclusive Decay $B_c \rightarrow \tau^+ \nu_\tau$ and Measurement of the Mass of the $B_c$ Meson. Physical Review Letters, 2006, 96, 082002.	2.9	76
206	Measurement of the cross section for W-boson production in association with jets in $pp$ collisions. Physical Review Letters, 2011, 106, 022001.	1.6	76
207	Measurement of the cross section for $W$ production in association with jets in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 022001.	1.6	76
208	Angular analysis of $B_0 \rightarrow K^* \mu^+ \mu^-$ decays in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
209	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $pp$ Collisions Using 36.1 fb $^{-1}$ of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	1.6	75
210	Search for new physics in the dijet mass distribution using 1 fb $^{-1}$ of $pp$ collision data at $\sqrt{s} = 7$ TeV collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	1.4	75
211	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
212	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
213	Observation of Light-by-Light Scattering in Ultraperipheral Pb-Pb Collisions. Physical Review Letters, 2019, 123, 052001.	2.9	75
214	Search for New Bottomlike Quark Pair Decays. Physical Review Letters, 2019, 123, 052001.	1.4	75

#	ARTICLE	IF	CITATIONS
217	Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2017, 119, 191803.	2.9	74
218	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 108-128.		
219	Measurement of the $B_c$ +Meson Lifetime Using the Decay Mode $B_c \rightarrow J/\psi e^+ \nu_e$ . Physical Review Letters, 2006, 97, 012002.	2.9	73
220	Measurement of $\sigma(\text{Drell-Yan})$ of Drell-Yan pairs in the Z mass region from $\sqrt{s}=7\text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary	1.5	73
221	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
222	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
223	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
224	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
225	Measurement of $\hat{\sigma}(\text{pp} \rightarrow \text{lepton} + \text{jet} + \text{events})$ with jet probability-tagging. Physical Review D, 2006, 74, .	1.6	72
226	Measurement of $\hat{\sigma}(\text{pp} \rightarrow \text{lepton} + \text{jet} + \text{events})$ at $\sqrt{s}=1.96\text{ TeV}$ . Physical Review Letters, 2006, 97, 082004.	2.9	72
227	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s}=7\text{ TeV}$ and $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.		
228	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
229	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, 2015, 2015, 1.	1.6	71
230	Measurements of normalized differential cross sections for $t\bar{t}$ production in $\text{pp} \rightarrow t\bar{t} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 91, .	1.6	71
231	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
232	Search for new phenomena in events with a photon and missing transverse momentum in $\text{pp} \rightarrow \text{photon} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 91, .	1.6	71
233	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
234	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

#	ARTICLE	IF	CITATIONS
235	Observation of exclusive dijet production at the Fermilab Tevatron collider. <a href="https://arxiv.org/abs/0708.3254">Measurement of underlying event characteristics using charged particles in pp collisions at <math>\sqrt{s} = 1.96</math> TeV with the ATLAS detector. Physics Review D, 2011, 83.</a>	1.6	70
236	Measurement of the differential cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 223-242.	1.6	70
237	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
239	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
240	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}$ Decay Channel in $pp \rightarrow b\bar{b} + \gamma\gamma$ Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 191801.	2.9	70
241	Measurement of the forward-backward charge asymmetry from $W\hat{A}^{\pm}e\hat{A}^{\pm}/2$ production in $pp\hat{A}^{\pm}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	69
242	Search for $Z\hat{A}^{\pm}e\hat{A}^{\pm}$ Using Dielectron Mass and Angular Distribution. Physical Review Letters, 2006, 96, 211801.	2.9	69
243	Search for New Physics in High-Mass Electron-Positron Events in $pp\hat{A}^{\pm}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 171802.	2.9	69
244	Inclusive Search for Squark and Gluino Production in $pp\hat{A}^{\pm}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 121801.	2.9	69
245	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.	1.5	69
246	Search for charged Higgs bosons decaying via $H \hat{A}^{\pm} \hat{A}^{\pm} \hat{A}^{\pm} \hat{A}^{\pm}$ 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
247	Search for new phenomena in high-mass diphoton final states using $37 \text{ fb}^{-1}$ of proton-proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 25-30.	1.6	69
248	Comprehensive measurements of $t\bar{t}$ -channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2014, 90, .	1.6	68
249	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
250	ATLAS data quality operations and performance for 2015-2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	0.5	68
251	Search for new resonances in mass distributions of jet pairs using $139 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	68
252	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	1.5	67

#	ARTICLE	IF	CITATIONS
253	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
254	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
255	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
256	Dijet Resonance Search with Weak Supervision Using $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review Letters, 2020, 125, 131801.	2.9	67
257	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
258	A search for $t\bar{t}\tilde{A}$ 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
259	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
260	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
261	Search for pair production and inclusive differential cross sections in $\sqrt{s} = 7$ TeV pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2009, 79, 074004.	1.6	64
262	Measurement of the $W\hat{A}^{\pm}$ , $W\hat{A}^{\pm}$ and $Z\hat{A}^{\pm}$ 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
263	Measurement of the $W+W\hat{A}^{\pm}$ Production Cross Section and Search for Anomalous $WW\hat{A}^{\pm}$ and $WWZ$ Couplings in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 29201801.		64
264	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
265	Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Physical Review D, 2018, 97, 074004.	2.9	64
266	Observation and measurements of the production of prompt and non-prompt $J/\psi$ 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
267	Evidence for the $H\hat{A}^{\pm}b\hat{A}^{\pm}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
268	Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 97, 074004.	1.6	64
269	Search for pair production and inclusive differential cross sections in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2021, 103, 074004.	1.6	64
270	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



#	ARTICLE	IF	CITATIONS
271	Search for Neutral Higgs Bosons of the Minimal Supersymmetric Standard Model Decaying to $\tau\tau$ Pairs in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 011802.	2.9	63
272	Search for Exclusive Z-Boson Production and Observation of High-Mass $pp \rightarrow p\ell^+\ell^-p$ Events in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 222002.	2.9	63
273	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 109, 211802.	2.9	63
274	Measurement of Z-Boson Production in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	2.9	63
275	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
276	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $pp$ collisions at $\sqrt{s}=7$ and $8$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 211802.	2.9	63
277	Measurement of the Higgs boson mass in $pp$ collisions at $\sqrt{s}=7$ and $8$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and Hadronic Physics, 2012, 706, 309-320.	1.6	63
278	Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $pp$ collisions at $\sqrt{s}=7$ and $8$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 211802.	2.9	63
279	Performance of the ATLAS muon trigger in $pp$ collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
280	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
281	Performance of the ATLAS muon triggers in Run 2. Journal of Instrumentation, 2020, 15, P09015-P09015.	0.5	62
282	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
283	Measurement of Dijet Azimuthal Decorrelations in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 106, 172002.	2.9	61
284	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $pp$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	61
285	Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2012, 108, 251801.	2.9	61
286	Measurement of ZZ production in $pp$ collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and $ZZ\tilde{\chi}^0$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
287	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
288	Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s}=7$ and $8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	61

#	ARTICLE	IF	CITATIONS
289	Search for the Flavor-Changing Neutral Current Decay $H \rightarrow Z \tau^+ \tau^-$ in $\sqrt{s} = 8$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2016, 76, 502.	1.4	61
290	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
291	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
292	Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
293	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
294	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135980.	1.5	61
295	Search for the Flavor-Changing Neutral Current Decay $H \rightarrow Z \tau^+ \tau^-$ in $\sqrt{s} = 8$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2016, 76, 502.	2.9	60
296	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
297	Search for the Flavor-Changing Neutral Current Decay $H \rightarrow Z \tau^+ \tau^-$ in $\sqrt{s} = 8$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2016, 76, 502.	1.6	60
298	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
299	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
300	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} + b\bar{b} \rightarrow \tau^+ \tau^- + \tau^+ \tau^- + b\bar{b} + \tau^+ \tau^- + b\bar{b} + \tau^+ \tau^-$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
301	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
302	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
303	Search for Exclusive $\tau^+ \tau^-$ Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 99, 242002.	2.9	59
304	Search for the decay $H \rightarrow Z \tau^+ \tau^-$ in $\sqrt{s} = 8$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2016, 76, 502.	2.9	59
305	Search for the decay $H \rightarrow Z \tau^+ \tau^-$ in $\sqrt{s} = 8$ TeV proton-proton collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	1.5	59
306	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

#	ARTICLE	IF	CITATIONS
307	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
308	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.	2.9	59
309	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
310	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
311	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
312	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \bar{\nu}_{\tau}$ , in the $\tau^{\pm}, +jets$ and $\tau^{\pm}, +lepton$ final states with 36 fb $^{-1}$ 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
313	Search for Long-Lived Massive Charged Particles in 1.96 TeV pp Collisions. Physical Review Letters, 2009, 103, 021802.	2.9	58
314	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions. Journal of High Energy Physics, 2010, 2010, 1.	1.5	58
315	Measurement of the Inclusive Isolated Prompt Photon Cross Section in $\sqrt{s}=7$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2014, 112, 011801.	1.5	58
316	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	1.6	58
317	Search for Top-Quark Production via Flavor-Changing Neutral Currents in $\sqrt{s}=7$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2009, 102, 151801.	2.9	57
318	Search for $Z$ bosons in proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.5	57
319	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.5	57
320	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using 1 fb $^{-1}$ of ATLAS data. Physical Review D, 2012, 85, .	1.6	57
321	Search for Magnetic Monopoles in $\sqrt{s}=7$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 109, 261803.	2.9	57
322	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
323	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 232002.	2.9	57

#	ARTICLE	IF	CITATIONS
325	Search for long-lived stopped $R$ -hadrons decaying out of time with collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 222-242.	1.6	57
326	Search for $H \rightarrow t\bar{t}$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 222-242.	1.5	57
327	$\tilde{A} \rightarrow t\bar{t}$ production cross-section using $e\bar{1}/4$ events with b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2006, 97, 211802.	1.5	57
328	Observation of $B_s \rightarrow K^+ K^0$ and Measurements of Branching Fractions of Charmless Two-Body Decays of $B^0$ and $B_s^0$ Mesons in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 211802.	2.9	56
329	Search for Supersymmetry in $t\bar{t}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 251801.	2.9	56
330	Measurement of the Ratio $\Gamma(t \rightarrow Z \tilde{\chi}_1^0) / \Gamma(t \rightarrow W \tilde{\chi}_1^+)$ and Precise Extraction of $\theta_{\tilde{W}}$ Cross Section. Physical Review Letters, 2010, 105, 012001.	2.9	56
331	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
332	Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 60-66.	1.4	56
333	Search for the Standard Model Higgs boson decay to $t\bar{t}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 60-66.	1.4	56
334	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
335	Search for scalar leptoquarks in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. New Journal of Physics, 2016, 18, 093016.	1.2	56
336	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at $\sqrt{s} = 8$ TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	56
337	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
338	Study of jet shapes in inclusive jet production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 95, 114005.	1.6	55
339	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector. Physical Review D, 2017, 95, 114005.	1.6	55
340	Search for direct top quark 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
341	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
342	Charged-particle distributions in $pp$ interactions measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 67-88.	1.6	55

#	ARTICLE	IF	CITATIONS
343	Search for heavy charged long-lived particles in the ATLAS detector in $\sqrt{s} = 13$ TeV proton-proton collisions at the ATLAS detector. <i>Physical Review D</i> , 2019, 2019, 1. <a href="https://arxiv.org/abs/1907.00001">https://arxiv.org/abs/1907.00001</a>	1.6	53
344	Search for pair production of Higgs bosons in the $\sqrt{s} = 13$ TeV final state using proton-proton collisions at the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. <a href="https://arxiv.org/abs/1907.00001">https://arxiv.org/abs/1907.00001</a>	1.6	55
345	Search for pair production of Higgs bosons in the $\sqrt{s} = 13$ TeV final state using proton-proton collisions at the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. <a href="https://arxiv.org/abs/1907.00001">https://arxiv.org/abs/1907.00001</a>	1.5	54
346	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	54
347	Search for high-mass resonances decaying to dilepton final states in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	54
348	Measurements of fiducial cross-sections for $t\bar{t}\gamma$ production with one or two additional b-jets in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 11.	1.4	54
349	Search for invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in $\sqrt{s} = 13$ TeV proton-proton collisions at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 318-337.	1.5	54
350	Measurement of the Lifetime Difference between $B_s$ Mass Eigenstates. <i>Physical Review Letters</i> , 2005, 94, 101803.	2.9	53
351	Global search for new physics with $\sqrt{s} = 1.96$ TeV at CDF. <i>Physical Review D</i> , 2009, 79, .	1.6	53
352	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $\sqrt{s} = 7$ TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	53
353	Measurement of the cross-section for W boson production in association with b-jets in $\sqrt{s} = 7$ TeV proton-proton collisions at the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	53
354	Search for charged Higgs bosons produced in association with a top quark and decaying via $H \rightarrow \tau^+\tau^-$ using $\sqrt{s} = 13$ TeV proton-proton collision data recorded at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 318-337.	1.5	53
355	Measurements of $W$ boson production in association with a top quark and decaying via $H \rightarrow \tau^+\tau^-$ using $\sqrt{s} = 13$ TeV proton-proton collision data recorded at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 318-337.	1.6	53
356	Measurements of $W$ boson production in association with a top quark and decaying via $H \rightarrow \tau^+\tau^-$ using $\sqrt{s} = 13$ TeV proton-proton collision data recorded at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 776, 318-337.	1.6	53
357	Search for Higgs boson pair production in the $\sqrt{s} = 13$ TeV $WW \rightarrow \tau\tau$ channel using $\sqrt{s} = 13$ TeV proton-proton collision data recorded at the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 1007.	1.4	53
358	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018, 120, 211802.	2.9	53
359	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. <i>Physical Review Letters</i> , 2018, 120, 211802.	2.9	53
360	Search for Higgs boson pair production in the $\sqrt{s} = 13$ TeV $WW \rightarrow \tau\tau$ channel using $\sqrt{s} = 13$ TeV proton-proton collision data recorded at the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135103.	1.5	53

#	ARTICLE	IF	CITATIONS
361	Search for the production of narrow $Z \rightarrow b\bar{b}$ resonances in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	2.9	52
362	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	52
363	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
364	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
365	Search for the lepton-flavour violating decay $H \rightarrow \tau \mu$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
366	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
367	Search for the associated production of the Higgs boson with a top quark pair in multilepton final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 519-541.	1.5	52
368	Measurement of the top quark mass in the $t \rightarrow \tau \nu_{\tau}$ dilepton channels using $\sqrt{s} = 7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	1.4	52
369	Measurement of the top quark mass in the $t \rightarrow \tau \nu_{\tau}$ dilepton channels using $\sqrt{s} = 7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	0.9	52
370	Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 761, 372-392.	1.3	52
371	Search for the direct production of charginos and neutralinos in final states with tau leptons in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	1.5	52
372	Search for the direct production of charginos and neutralinos in final states with tau leptons in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	1.4	52
373	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
374	Measurement of the top quark mass with the template method in the $t \rightarrow \tau \nu_{\tau}$ dilepton channels using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
375	Search for the production of narrow $Z \rightarrow b\bar{b}$ resonances in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	2.9	51
376	Search for vectorlike quarks in events with one isolated lepton, missing transverse momentum, and jets at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.6	51
377	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z \rightarrow \tau \tau$ boson in the $\tau \tau \mu \mu$ 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
378	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

#	ARTICLE	IF	CITATIONS
379	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ s NN = 2.76. European Physical Journal C, 2017, 77, 379.	1.4	51
380	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. Physical Review D, 2018, 97, .	1.6	51
381	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
382	Measurement of $\langle p_T^{2B}(\hat{t}_2) \rangle / \langle p_T^{2B}(\hat{t}_1) \rangle$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 230701.	1.6	50
383	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. Physical Review D, 2010, 82, .	1.6	50
384	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	1.4	50
385	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ s = 13 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	1.4	50
386	Search for High-Mass Resonances Decaying to $l\bar{l}$ in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	2.9	50
387	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb $\sqrt{s} = 13$ TeV pp collisions at. European Physical Journal C, 2018, 78, 401.	1.4	50
388	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	50
389	Measurement of the Inclusive Jet Cross Section Using the kT Algorithm in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 122001.	2.9	49
390	First run II measurement of the W boson mass at the Fermilab Tevatron. Physical Review D, 2008, 77, 112002.	1.6	49
391	Measurement of the properties of the W boson and measurement of the properties of the W boson and measurement of the properties of the W boson. Physical Review D, 2008, 77, 112002.	1.6	49
392	Measurement of the W boson mass at the Fermilab Tevatron. Physical Review D, 2008, 77, 112002.	2.9	49
393	Search for Higgs bosons decaying to two photons in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physical Review D, 2017, 95, 112002.	1.5	49
394	Search for Higgs bosons decaying to two photons in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physical Review D, 2017, 95, 112002.	1.5	49
395	Search for Higgs bosons decaying to two photons in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physical Review D, 2017, 95, 112002.	2.9	49
396	Search for Higgs bosons decaying to two photons in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physical Review D, 2017, 95, 112002.	2.9	49

#	ARTICLE	IF	CITATIONS
397	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
398	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ in $\sqrt{s} = 8$ TeV pp collisions at the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	2.9	49
399	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	49
400	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, 2014, 90.	1.6	49
401	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
402	Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 8$ TeV pp collisions at the ATLAS detector. Physical Review D, 2014, 90.	1.6	48
403	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, 2014, 90.	1.4	48
404	Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the ATLAS and CMS Results. Physical Review Letters, 2017, 119, 181804.	2.9	48
405	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
406	Search for pair-produced long-lived neutral particles decaying to jets in the ATLAS hadronic calorimeter in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 15-34.	1.5	48
407	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
408	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
409	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 15-34.	1.6	48
410	Study of jets produced in association with a Higgs boson in $\sqrt{s} = 8$ TeV pp collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 15-34.	1.6	47
411	Search for top-squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s} = 8$ TeV pp collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 15-34.	1.6	47
412	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
413	Measurement of total and differential W + W <sup>+</sup> production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous couplings. Physical Review Letters, 2017, 119, 181804.	1.6	47
414	Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for $W + W^+$ production in proton-proton collisions at $\sqrt{s} = 8$ TeV and 13 TeV and $\sqrt{s} = 7$ TeV. Physical Review Letters, 2017, 119, 181804.	1.1	47



#	ARTICLE	IF	CITATIONS
415	Measurements of the production cross section of a $Z$ boson in association with jets in pp collisions at $\sqrt{s} = 13$ s. European Physical Journal C, 2017, 77, 361.	1.4	47
416	Measurement of the top quark mass in the $t \rightarrow t \hat{A}^- \hat{A}^+$ . European Physical Journal C, 2019, 79, 1.	1.4	47
417	First Measurement of the $W$ -Boson Mass in Run II of the Tevatron. Physical Review Letters, 2007, 99, 151801.	2.9	46
418	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
419	Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 141801.	2.9	46
420	Measurement of the cross section for the production of a $W$ boson in association with $b$ -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.1	46
421	Measurement of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	1.1	46
422	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
423	Study of the rare decays of $B^0 \rightarrow B^0 \mu \mu$ and $B^0 \rightarrow B^0 \mu \mu$ 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
424	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in $pp$ collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physical Review Letters, 2015, 115, 112301.	1.1	46
425	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\mu$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
426	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.	1.4	46
427	Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW \rightarrow \ell \ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 508-529.	1.5	46
428	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	46
429	Measurement of the $B^+$ production cross section in $pp$ collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2007, 75, .	1.6	45
430	Measurement of the Single-Top-Quark Production Cross Section at CDF. Physical Review Letters, 2008, 101, 252001.	2.9	45
431	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving $\tilde{l}, \tilde{\nu}_\tau$ Leptons. Physical Review Letters, 2008, 101, 121801.	2.9	45
432	Search for neutral MSSM Higgs bosons decaying to $\tilde{l}, \tilde{\nu}_\tau$ pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2015, 115, 112301.	1.5	45

#	ARTICLE	IF	CITATIONS
433	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 2012, 1.	1.6	45
434	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector using final states with two high-pT leptons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
435	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7, 8$ TeV in dilepton final states with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.6	45
436	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. European Physical Journal C, 2013, 73, 1.	1.4	45
437	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
438	Measurement of the $\tau^+\tau^-$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
439	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
440	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. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
441	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. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
442	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. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
443	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
444	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $a_s, a_b$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 2019, 1.	1.6	45
445	Measurement of the inclusive jet cross section in pp interactions at $\sqrt{s} = 1.96$ TeV using a cone-based jet algorithm. Physical Review D, 2006, 74, .	1.6	44
446	Observation of New Charmless Decays of Bottom Hadrons. Physical Review Letters, 2009, 103, 031801.	2.9	44
447	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.6	44
448	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.6	44
449	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.6	44
450	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.6	44

#	ARTICLE	IF	CITATIONS
451	Search for $\tilde{A}^{\pm}$ production in proton collisions at a centre-of-mass energy of $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.5	44
452	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	44
453	Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 171802.	2.9	43
454	Search for Higgs Bosons Predicted in Two-Higgs-Doublet Models via Decays to Tau Lepton Pairs in $\sqrt{s} = 1.96$ TeV Collisions. Physical Review Letters, 2009, 103, 201801.	2.9	43
455	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in $\sqrt{s} = 7, 8$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43
456	Measurement of exclusive $\tilde{t}^{\pm}$ production in proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 749, 242-261.	1.5	43
457	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. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43
458	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2016, 94, .	1.6	43
459	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	1.4	43
460	Search for magnetic monopoles and stable particles with high electric charges in $\sqrt{s} = 8$ TeV collisions with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	43
461	Search for single top-quark production via flavour-changing neutral currents at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	1.4	43
462	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow \tau^+ \tau^- 4a, \tau^+ \tau^- 2a, \tau^+ \tau^- 2b$ final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 223-244.	1.5	43
463	Search for $\tilde{A}^{\pm}$ production in proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2019, 100, .	1.6	43
464	Measurement of $B(\tau^+ \rightarrow Wb)/B(\tau^+ \rightarrow Wq)$ at the Collider Detector at Fermilab. Physical Review Letters, 2005, 95, 102002.	2.9	42
465	Search for New High-Mass Particles Decaying to Lepton Pairs in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 95, 252001.	2.9	42
466	Measurement of the Top-Quark Mass with Dilepton Events Selected Using Neuroevolution at CDF. Physical Review Letters, 2009, 102, 152001.	2.9	42
467	Production of $\tilde{\chi}^0(2S)$ mesons in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2009, 80, .	1.6	42
468	Further search for supersymmetry in $\sqrt{s} = 7$ TeV pp collisions with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	42

#	ARTICLE	IF	CITATIONS
469	Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 158-176.	1.6	42
470	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	42
471	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	42
472	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
473	Combined measurement of differential and total cross sections in the $H \rightarrow \tau^+ \tau^-$ and the $H \rightarrow Z Z \rightarrow 4\ell$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 114-133.	1.6	42
474	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
475	Measurement of the top quark mass using template methods on dilepton events in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2006, 73, .	1.6	41
476	Inclusive Search for New Physics with Like-Sign Dilepton Events in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
477	The Silicon Vertex Trigger upgrade at CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 361-364.	0.7	41
478	Search for Resonant Production in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 158-176.	2.9	41
479	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 305-323.	1.5	41
480	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
481	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 305-323.	1.6	41
482	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 305-323.	1.6	41
483	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	1.2	41
484	Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in $\sqrt{s} = 8$ TeV collisions at the LHC using the ATLAS detector. Physical Review D, 2014, 90, .	1.6	41
485	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
486	Measurement of the production and lepton charge asymmetry of $W$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	1.4	41

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487	Measurement of the $\sigma(\tau^+\tau^-Z)$ and $\sigma(\tau^+\tau^-W)$ production cross sections in multilepton final states using 3.2 fb <sup>-1</sup> of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
488	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2018, 121, 212301.	2.9	41
489	Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2018, 121, 081801.	1.6	41
490	Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	2.9	41
491	Measurement of $W^+W^-Z$ production cross sections and gauge boson polarisation in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	41
492	Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
493	Search for New Physics Using High-Mass Tau Pairs from 1.96 TeV $pp$ Collisions. Physical Review Letters, 2005, 95, 131801.	2.9	40
494	Model-independent and quasi-model-independent search for new physics at CDF. Physical Review D, 2008, 78, .	1.6	40
495	Measurement of Resonance Parameters of Orbitally Excited Narrow Mesons. Physical Review Letters, 2009, 102, 102003.	2.9	40
496	Search for the Decays $B(s) \rightarrow e^+\tau^-$ and $B(s) \rightarrow e^+\tau^0$ in CDF Run II. Physical Review Letters, 2009, 102, 201801.	2.9	40
497	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
498	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying Bosons. Physical Review Letters, 2012, 109, 032001.	2.9	40
499	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, 032.	1.6	40
500	Measurement of the top quark pair cross section with ATLAS in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.5	40
501	Search for pair production of heavy top-like quarks decaying to a high- $p_T$ lepton and a $b$ quark in the lepton plus jets final state at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	1.5	40
502	Search for pair production of heavy top-like quarks decaying to a high- $p_T$ lepton and a $b$ quark in the lepton plus jets final state at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	1.5	40
503	Measurements of jet veto 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
504	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

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505	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s}=7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	40
506	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{A}^+ J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ \hat{A}^-$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40
507	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
508	Measurements of b-jet tagging efficiency with the ATLAS detector using $\overline{t}$ events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
509	Properties of Higgs Boson Interactions with Top Quarks in the $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. Physical Review Letters, 2011, 106, 231801.	2.9	40
510	Search for heavy resonances decaying into a pair of Z bosons in the $\sqrt{s}=13$ TeV proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	40
511	Measurement of the cross section for $\hat{A}^+$ production in pp collisions using the kinematics of lepton+jets events. Physical Review D, 2005, 72, .	1.6	39
512	Direct Search for Dirac Magnetic Monopoles in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 201801.	2.9	39
513	Measurement of Lifetime and Decay-Width Difference in $B_s^0 \rightarrow J/\psi$ Decays. Physical Review Letters, 2008, 100, 121803.	2.9	39
514	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
515	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	2.9	39
516	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	39
517	Measurement of angular correlations in Drell-Yan lepton pairs to probe resonances in the lepton plus jets final state with ATLAS using $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.6	39
518	Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 337.	1.4	39
519	Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 337.	1.4	39
520	Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in p+Pb collisions measured by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 313-336.	1.4	39
521	Search for flavour-changing neutral current top-quark decays to $qZ$ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.	1.4	39
522	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

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523	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.5	39
524	Search for $Z\tau^+\tau^-$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.6	39
525	Search for $Z\tau^+\tau^-$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.6	39
526	Combination of searches for heavy resonances decaying into bosonic and leptonic final states using proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	39
527	Search for a Structure in the $B \rightarrow B^0 \tau^+ \tau^-$ Invariant Mass Spectrum with the ATLAS Experiment. Physical Review Letters, 2018, 120, 202007.	1.6	39
528	Search for a right-handed gauge boson decaying into a high-momentum heavy neutrino and a charged lepton in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134942.	1.5	39
529	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	39
530	Inclusive Search for Standard Model Higgs Boson Production in the WW Decay Channel Using the CDF II Detector. Physical Review Letters, 2010, 104, 061803.	2.9	38
531	Measurement of the W-boson asymmetry in the $W \rightarrow \tau^+ \tau^-$ decay mode in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.5	38
532	Search for FCNC single top-quark production at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	38
533	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, 2016, 2016, 1.	1.6	38
534	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.6	38
535	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
536	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
537	Measurement of the exclusive $t\bar{t}W^+W^-$ process in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 303-323.	1.6	38
538	Search for Higgs boson pair production in the $b\bar{b}$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
539	Observation of electroweak $W^+Z$ boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 469-497.	1.5	38
540	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38

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541	Search for electroweak single-top-quark production in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	37
542	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
543	$\langle W \rangle$ bosons in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 241802.	1.6	37
544	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
545	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.	1.5	37
546	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.	1.5	37
547	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
548	Measurement of the $W$ boson polarisation in $t\bar{t}$ 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
549	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
550	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
551	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV $pp$ collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	37
552	Search for $B_s \rightarrow \mu^+ \mu^-$ and $B_d \rightarrow \mu^+ \mu^-$ Decays in $pp$ collisions with CDF II. Physical Review Letters, 2005, 95, 021805.	2.1	36
553	Observation of $WZ$ Production. Physical Review Letters, 2007, 98, 161801.	2.9	36
554	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
555	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
556	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 538-556.	1.5	36
557	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
558	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



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559	Measurement of the production cross section of top quark pair production in association with a photon and measurement of the cross section in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
560	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
561	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
562	Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with the ATLAS detector. Physical Review C, 2016, 93, 054907.	1.1	36
563	Search for the Dimuon Decay of the Higgs Boson in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 051802.	2.9	36
564	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
565	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	36
566	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
567	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, 2020, 1.	1.4	36
568	Search for narrow resonances in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2017, 119, 051802.	1.6	35
569	First Measurement of $W$ Boson Production in Association with a Single Charm Quark in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 100, 091803.	2.9	35
570	Search for the Higgs Boson in the $H \rightarrow WW^* \rightarrow l\bar{\nu}_l \nu_l \bar{l}$ Decay Channel in $pp$ Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35
571	Search for contact interactions and large extra dimensions in dilepton events from $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2017, 119, 051802.	1.6	35
572	Search for Quantum Black Hole Production in High-Invariant-Mass $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 051802.	2.9	35
573	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
574	Measurement of the production cross section of prompt $J/\psi$ 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
575	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \tau\tau$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
576	Search for $W$ boson decays into $tb$ or $q\bar{q}b$ in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	1.4	35

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577	Search for Scalar Charm Quark Pair Production in $pp$ collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review Letters, 2015, 114, 161801.	2.9	35
578	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \sqrt{s} = 7$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
579	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	1.4	35
580	Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 91-113.	1.6	35
581	Search for long-lived particles produced in pp collisions at $s=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. Physical Review D, 2019, 99, .	1.6	35
582	Measurement of the Cross Section for Prompt Diphoton Production in $pp$ Collisions at $s=1.96$ TeV. Physical Review Letters, 2005, 95, 022003.	2.9	34
583	Measurement of the $t\bar{t}$ production cross section in $pp$ collisions at $s=1.96$ TeV using lepton plus jets events with semileptonic $B$ decays to muons. Physical Review D, 2005, 72, .	1.6	34
584	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
585	Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	1.6	34
586	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
587	Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in $pp$ collisions at $s=8$ TeV. Physical Review D, 2015, 91, .	1.6	34
588	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $s=8$ TeV proton-proton collisions using the ATLAS detector. Physical Review D, 2016, 93, .	1.6	34
589	Evidence for single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector using the Matrix Element Method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 230-246.	1.6	34
590	Measurements of top-quark pair differential and double-differential cross-sections in the $b\bar{b}$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	34
591	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
592	Evidence for $B_s \rightarrow \tau^+ \tau^-$ Decay and Measurements of Branching Ratio and $ACP$ for $B \rightarrow \tau^+ \tau^- K^+$ . Physical Review Letters, 2005, 95, 031801.	2.9	33
593	Search for a Standard Model Higgs Boson in $W \rightarrow b\bar{b}$ and $H \rightarrow b\bar{b}$ channels in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 231802.	2.9	33
594	Combined Tevatron upper limit on $g\hat{g} \rightarrow H \rightarrow W+W$ and constraints on the Higgs boson mass in fourth-generation fermion models. Physical Review D, 2010, 82, .	1.6	33

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595	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
596	Search for Resonances in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	2.9	33
597	Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	2.9	33
598	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	2.9	33
599	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
600	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	0.9	33
601	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
602	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
603	Measurement of exclusive $\tilde{\chi}_1^0 \tilde{\chi}_1^{\pm}$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Physical Review D, 2016, 94, .	1.6	33
604	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
605	Measurements of $\tilde{\chi}(2S)$ 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
606	Measurement of the Soft-Drop Jet Mass in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 092001.	2.9	33
607	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	33
608	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, 2018, 378, 499-519.	1.6	33
609	Search for direct pair production of $\tilde{\chi}_1^0 \tilde{\chi}_1^{\pm}$ leptons in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 101, .	1.6	33
610	Measurement of $\omega \tilde{W}^{\pm}$ and $Z \tilde{Z}^{\pm}$ Production in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 94, 041803.	2.9	32
611	Search for Supersymmetry with Gauge-Mediated Breaking in Diphoton Events with Missing Transverse Energy at CDF II. Physical Review Letters, 2010, 104, 011801.	2.9	32
612	Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.5	32

#	ARTICLE	IF	CITATIONS
613	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
614	Measurement of $t\bar{t}$ $c1$ and $t\bar{t}$ $c2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
615	Search for s-channel single top-quark production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 118-136.	1.6	32
616	Determination of the strong coupling constant $\alpha_s$ from transverse energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	1.4	32
617	Measurement of the production of vectorlike quarks in final states with at least one Z boson decaying into a pair of electrons or muons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 917, 103-136.	1.6	32
618	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $gg \rightarrow H \rightarrow b\bar{b}$ decay channel at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32
619	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. Physical Review D, 2005, 71, .	1.6	31
620	Search for High-Mass Resonances Decaying to $t\bar{t}$ in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 211802.	2.9	31
621	Precision Top-Quark Mass Measurement in the Lepton+Jets Topology in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 022004.	2.9	31
622	Search for Heavy Toplike Quarks Using Lepton Plus Jets Events in 1.96 TeV pp Collisions. Physical Review Letters, 2008, 100, 161803.	2.9	31
623	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, 2012, 72, 1818-1831.	1.4	31
624	Search for Pair Production of a Heavy Up-Type Quark Decaying to a W Boson and a Bottom Quark in the $t\bar{t}$ Channel in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Nuclear Physics B, 2017, 917, 103-136.	2.9	31
625	Measurement of the $b$ -hadron production cross section using decays to $D^* \rightarrow D \pi$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 917, 103-136.	1.6	31
626	Measurement of the $b$ -hadron production cross section using decays to $D^* \rightarrow D \pi$ in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 917, 103-136.	0.9	31
627	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
628	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
629	Measurements of spin correlation in top-antitop quark events from proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2014, 90, .	1.6	31
630	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

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631	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \tau^+ \tau^-$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 69-85.	1.5	31
632	Measurement of the Production Cross Section in $pp$ Collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	2.9	31
633	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
634	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\mu$ 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
635	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 $\text{fb}^{-1}$ of $\sqrt{s} = 13$ TeV $pp$ collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
636	Search for $W$ or $Z$ resonance production in $\tau^+ \tau^-$ 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
637	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
638	Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.5	31
639	Search for $W$ or $Z$ resonance production in $\tau^+ \tau^-$ final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135148.	1.5	31
640	Search for Excited and Exotic Electrons in the $e^+e^- \rightarrow \mu^+\mu^-$ Decay Channel in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 94, 101802.	2.9	30
641	Search for new particles resulting in $pp \rightarrow Z + \text{jets}$ final states in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 94, 101802.	1.6	30
642	Measurement of ratios of fragmentation fractions for bottom hadrons in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2008, 77, .	1.6	30
643	Strong Evidence for $Z$ Production in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 100, 201801.	2.9	30
644	Search for Pair Production of Supersymmetric Top Quarks in Dilepton Events from $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 251801.	2.9	30
645	Measurement of $W$ -Boson Polarization in Top-Quark Decay in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 042002.	2.9	30
646	Search for supersymmetry in $pp$ collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and $b$ -jets with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	30
647	Evidence of $W$ Production in $pp$ Collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	2.9	30
648	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

#	ARTICLE	IF	CITATIONS
649	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
650	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
651	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
652	Search for pair production of gluinos decaying via stop and sbottom in events with $b$ -jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	30
653	Searches for the $Z\tau^{\pm}$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	30
654	Study of $W\gamma W\tau^{\pm}$ and $WZ\gamma W\tau^{\pm}$ . European Physical Journal C, 2017, 77, 646.	1.4	30
655	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
656	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
657	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	30
658	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
659	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using kinematic fitting of $b$ -tagged lepton+jet events. Physical Review D, 2005, 71, .	1.6	29
660	Measurement of the Top-Quark Mass in All-Hadronic Decays in pp Collisions at CDF II. Physical Review Letters, 2007, 98, 142001.	2.9	29
661	Precision measurement of the top-quark mass from dilepton events at CDF II. Physical Review D, 2007, 75, .	1.6	29
662	Measurement of cross sections for $b$ -jet production in events with $Z$ boson in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2009, 79, .	1.6	29
663	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	29
664	Search for a Standard Model Higgs Boson in the $H \rightarrow ZZ \rightarrow 4\ell$ Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.	2.9	29
665	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
666	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 32-50.	1.6	29

#	ARTICLE	IF	CITATIONS
667	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 251-268.	1.5	29
668	Dijet production in pp collisions with large rapidity gaps at the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 214-234.	1.5	29
669	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 473-493.	1.6	29
670	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
671	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
672	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 473-493.	1.6	29
673	Study of the material of the ATLAS inner detector for Run 2 of the LHC. Journal of Instrumentation, 2017, 12, P12009-P12009.	0.5	29
674	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
675	Searches for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98.	1.6	29
676	Searches for heavy ZZ and ZW resonances in the $\gamma\gamma$ , $\gamma q$ and $\gamma\gamma$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
677	Measurement of the azimuthal anisotropy of charged-particle production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review C, 2020, 101, .	1.1	29
678	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
679	Search for Long-Lived Doubly Charged Higgs Bosons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 071801.	2.9	28
680	Search for a Fermiophobic Higgs Boson Decaying into Diphotons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 061803.	2.9	28
681	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	28
682	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	1.5	28
683	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	28
684	Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.	1.5	28

#	ARTICLE	IF	CITATIONS
685	Measurement of $WW$ and $WZ$ resonances decaying to electron, missing energy, and 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.	1.6	28
686	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	1.4	28
687	Measurement of $WW/WZ$ 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
688	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
689	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
690	Search for long-lived neutral particles in $pp$ collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	1.4	28
691	Measurement of the $t\bar{t}$ cross sections in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.6	28
692	In situ calibration of large-radius jet energy and mass in $13$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	28
693	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and $pp$ collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 167168.	1.5	28
694	Search for the $Z\gamma$ decay mode of the Higgs boson in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 167168.	1.5	28
695	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
696	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	28
697	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 101, 1.	1.6	28
698	Measurement of the Lund Jet Plane Using Charged Particles in $13$ TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 222002.	2.9	28
699	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
700	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 76, 1.	1.6	27
701	Measurement of the $b\bar{b}$ lifetime in $b\bar{b}$ decays in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 102002.	2.9	27
702	Search for $WW$ and $WZ$ resonances decaying to electron, missing energy, and two jets in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 241801.	2.9	27



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703	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review Letters, 2015, 114, 221802.	1.4	27
704	Flavor-tagged time-dependent angular analysis of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ decay. Physical Review Letters, 2015, 114, 221802.	1.6	27
705	Search for new phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	1.1	27
706	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	1.4	27
707	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
708	Measurements of top-quark pair differential cross-sections in the $e^+e^- \rightarrow t\bar{t} + \gamma$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
709	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 625.	1.4	27
710	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
711	Measurement of the top-quark mass in $t \rightarrow b + 1$ -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
712	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
713	Precise Measurement of the Top-Quark Mass in the Lepton+Jets Topology at CDF II. Physical Review Letters, 2007, 99, 182002.	2.9	26
714	Measurement of the $Z \rightarrow \tau^+\tau^-$ cross section with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	26
715	Search for Pair Production of a New $b \rightarrow \tau^+\tau^-$ Quark that Decays into a $Z$ Boson and a Bottom Quark with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	2.9	26
716	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	26
717	Measurement of the parity-violating asymmetry parameter $A_{FB}^{\tau, \ell}$ for the decay $b \rightarrow \tau^+\tau^-$ using kinematic information in the $b \rightarrow \tau^+\tau^-$ final state with ATLAS. Physical Review D, 2015, 91, .	1.6	26
718	Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector at the LHC. Physical Review D, 2015, 92, .	1.6	26
719	Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector at the LHC. Physical Review D, 2015, 92, .	1.6	26

#	ARTICLE	IF	CITATIONS
721	Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	1.4	26
722	Measurements of electroweak $W_j j$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.4	26
723	Searches for exclusive Higgs and Z boson decays into $J/\psi \ell^+ \ell^-$ , $\Upsilon(2S) \ell^+ \ell^-$ , and $\Upsilon(nS) \ell^+ \ell^-$ at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 806, 134-135.	1.6	26
724	Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $pp$ collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 806, 134-135.	1.6	26
725	Search for Higgs boson decays into a pair of light bosons in the $bb\gamma\gamma$ final state in $pp$ collision at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 806, 134-135.	1.6	26
726	Search for Higgs boson decays into a pair of light bosons in the $bb\gamma\gamma$ final state in $pp$ collision at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 1-21.	1.4	26
727	Measurement of the $W$ production cross-section and lepton differential distributions in $W \rightarrow \mu \nu$ dilepton events from $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, .	1.4	26
728	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $WZ$ final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
729	Measurement of the $W$ Production Cross Section in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV Using Dilepton Events. Physical Review Letters, 2005, 94, 211801.	2.9	25
730	Top-Quark Mass Measurement from Dilepton Events at CDF II. Physical Review Letters, 2006, 96, 152002.	2.9	25
731	Measurement of the helicity fractions of $W$ bosons from top quark decays using fully reconstructed $t\bar{t}$ events with CDF II. Physical Review D, 2007, 75, .	1.6	25
732	First simultaneous measurement of the top quark mass in the lepton+jets and dilepton channels at CDF. Physical Review D, 2009, 79, .	1.6	25
733	Measurement of the $W$ Production Cross Section Using the lepton+jets Final State at CDF II. Physical Review Letters, 2010, 104, 101801.	2.9	25
734	Measurement of the top quark mass and $pp \rightarrow t\bar{t}$ cross section in the all-hadronic mode with the CDF II detector. Physical Review D, 2010, 81, .	1.6	25
735	A search for $W$ resonances with the ATLAS detector in $2.05 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2083.	1.4	25
736	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
737	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	1.5	25
738	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25

#	ARTICLE	IF	CITATIONS
739	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
740	Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
741	Search for triboson $W^+W^-W^{\pm}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
742	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
743	Correlated long-range mixed-harmonic fluctuations measured in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 444-471.	1.5	25
744	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	25
745	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 031802.	2.9	25
746	Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 104, .	1.6	25
747	Search for first-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 72, 116.	1.6	24
748	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. Physical Review D, 2006, 74, .	1.6	24
749	Measurement of the $pp \rightarrow t\bar{t}$ production cross section and the top quark mass at $\sqrt{s} = 1.96$ TeV in the all-hadronic decay mode. Physical Review D, 2007, 76, .	1.6	24
750	Measurement of the $b$ lifetime in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	2.9	24
751	Measurement of $f_1(p\bar{p} \rightarrow Z) \cdot B(Z \rightarrow \tau^+\tau^-)$ in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 75, .	1.6	24
752	Measurement of the $W$ boson production cross section in $pp \rightarrow W + \dots$ collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	2.9	24
753	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	1.6	24
754	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	1.5	24
755	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	1.2	24

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757	Search for type-III seesaw heavy leptons in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	1.6	24
758	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
759	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 517.	1.4	24
760	Measurement of the $W\pm Z$ boson pair-production cross section in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.5	24
761	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. Physical Review C, 2017, 95, 034907.	1.1	24
762	Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.5	24
763	Measurement of the fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.1	24
764	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
765	Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
766	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
767	Search for anomalous production of diphoton events with missing transverse energy at CDF and limits on gauge-mediated supersymmetry-breaking models. Physical Review D, 2005, 71, .	1.6	23
768	Measurement of $\sigma(\text{pp} \rightarrow \text{bb}\bar{\text{b}}\bar{\text{b}})$ in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2002, 89, 122002.	2.9	23
769	Measurement of correlated $\text{bb}\bar{\text{b}}\bar{\text{b}}$ production in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2008, 77, .	1.6	23
770	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. European Physical Journal C, 2010, 70, 875-916.	1.4	23
771	Search for the Production of Scalar Bottom Quarks in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 081802.	2.9	23
772	Measurement of the top quark mass in the dilepton channel using $T$ at CDF. Physical Review D, 2010, 81, .	1.6	23
773	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	1.5	23
774	Search for the Higgs Boson in the $H \rightarrow WW \rightarrow l\bar{l}\nu\nu$ Decay Channel in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 231801.	2.9	23

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775	Search for pair-produced heavy quarks decaying to dilepton production in jets from $pp \rightarrow D^* \rightarrow W^* \rightarrow A \pm$ collisions at the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, .	1.6	23
776	Search for pair-produced heavy quarks decaying to dilepton production in the two-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, .	1.6	23
777	Time-dependent angular analysis of the decay $B_s^0 \rightarrow \ell^+ \ell^- \gamma$ and extraction of $\arg(\tilde{t}_1^* \tilde{t}_1)$ and the CP-violating weak phase $\tilde{\theta}_1$ by ATLAS. <i>Journal of High Energy Physics</i> , 2012, 2012, .	1.6	23
778	Search for excited electrons and muons in $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. <i>New Journal of Physics</i> , 2013, 15, 093011.	1.2	23
779	A measurement of the ratio of the production cross sections for $W^+W^-$ and $ZZ$ bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3168.	1.4	23
780	Measurement of the underlying event in jet events from $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	23
781	Determination of the Ratio of Quark Fragmentation Fractions $\langle \frac{dN_b}{dN_s} \rangle$ in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2015, 115, 262001.	2.9	23
782	A search for high-mass resonances decaying to $\tilde{\chi}_1^0, \tilde{\chi}_1^\pm$ in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	23
783	Search for multi-jet events in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and determination of the strong coupling constant $\alpha_s$ using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and Hadronic Physics</i> , 2015, 345, 262001.	1.5	23
784	Measurement of three-jet production cross-sections in $pp$ collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 228.	1.4	23
785	Search for new phenomena in different-flavour high-mass dilepton final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 541.	1.4	23
786	Measurement of $W^+W^- \rightarrow \ell^+\ell^-$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, .	1.6	23
787	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
788	Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, .	1.6	23
789	Search for $pp \rightarrow p \bar{b} + c$ and $pp \rightarrow p \bar{c} + b$ and $pp \rightarrow p \bar{b} + c$ and $pp \rightarrow p \bar{c} + b$ with the ATLAS detector. <i>Physical Review Letters</i> , 2019, 123, 012001.	2.9	23
790	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 $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	23
791	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022, 6, 1.	1.3	23
792	Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with $b$ -tags in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2006, 73, .	1.6	22

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793	Search for $V+A$ Current in Top-Quark Decays in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 072001.	2.9	22
794	Search for Heavy Long-Lived Particles that Decay to Photons at CDF II. Physical Review Letters, 2007, 99, 121801.	2.9	22
795	Search for Maximal Flavor Violating Scalars in Same-Charge Lepton Pairs in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 041801.	2.9	22
796	Search for a Higgs Boson Decaying to Two $W$ Bosons at CDF. Physical Review Letters, 2009, 102, 021802.	2.9	22
797	Study of the associated production of photons and $b$ -quark jets in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 81, .	1.6	22
798	Measurements of branching fraction ratios and $CP$ asymmetries in $B^0 \rightarrow D^0 K^{\pm}$ decays in hadron collisions. Physical Review D, 2010, 81, .	1.6	22
799	Measurements of the top-quark mass using charged particle tracking. Physical Review D, 2010, 81, .	1.6	22
800	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \gamma \gamma$ . Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	22
801	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
802	Search for new phenomena in the $W^+ W^- \rightarrow \gamma \gamma$ final state in $pp$ collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
803	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
804	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
805	Measurement of the $t \bar{t} W$ and $t \bar{t} Z$ 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
806	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow W W$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
807	Measurement of top quark pair differential cross sections in the dilepton channel in $pp$ collisions at $\sqrt{s}=7$ and $8$ TeV with ATLAS. Physical Review D, 2016, 94, .	1.6	22
808	High-ET isolated-photon plus jets production in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 918, 257-316.	0.9	22
809	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 $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 718, 860-878.	1.6	22
810	Measurements of highly boosted top quarks decaying to all-hadronic final states in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 718, 860-878.	1.6	22

#	ARTICLE	IF	CITATIONS
811	Search for heavy particles decaying into a top quark pair in the fully hadronic final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 56-75.	1.6	22
812	Search for low-mass resonances decaying into two jets and produced in association with a photon using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 56-75.	1.5	22
813	Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
814	Search for heavy neutral Higgs bosons produced in association with b-quarks and decaying into b-quarks and $\mu\mu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135426.	1.6	22
815	Test of CP invariance in vector boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135426.	1.6	22
816	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.	1.5	22
817	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
818	Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. Physical Review Letters, 2020, 125, 261801.	2.9	22
819	Measurement of the helicity of W bosons in top-quark decays. Physical Review D, 2006, 73, .	1.6	21
820	Search for second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2006, 73, .	1.6	21
821	First Observation of $B \rightarrow B^0 s$ Decays. Physical Review Letters, 2009, 103, 11802.	1.5	21
822	Measurement of the Ratio of Branching Fractions $\Gamma(B \rightarrow B^0 s) / \Gamma(B \rightarrow B^0 \tau \nu)$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 111802.	1.5	21
823	Search for high-mass states with two leptons plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 111802.	1.5	21
824	ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, .	1.6	21
825	Measurement of the production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-260.	1.5	21
826	Search for diphoton events with large missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-260.	1.5	21
827	Measurement of the polarization in $W \rightarrow l, l^* \nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2062.	1.4	21
828	A search for high-mass resonances decaying to $W \rightarrow l, l^* \nu$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-260.	1.5	21

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829	Measurement of the production cross-section of $\tilde{\chi}^0(2S) \hat{\alpha}^+ J/\psi(\hat{\alpha}^+ \hat{1}/4 + \hat{1}/4 \hat{\alpha}^-) \tilde{\chi}^0 + \tilde{\chi}^0 \hat{\alpha}^-$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
830	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu \nu e \mu \nu$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	1.4	21
831	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
832	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
833	Search for new resonances decaying to a $W$ or $Z$ boson and a Higgs boson in the $WW \rightarrow b\bar{b} + \text{missing transverse momentum}$ with ATLAS using $\sqrt{s} = 13$ TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 32-52.	1.5	21
834	Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS. Physical Review D, 2018, 98, .	1.5	21
835	Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\tilde{\chi}^0 \tilde{\chi}^0$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 750-767.	1.6	21
836	Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. Nuclear Physics A, 2018, 978, 65-106.	0.6	21
837	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, .	1.6	21
838	Search for Higgs boson pair production in the $WW \rightarrow WW$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	21
839	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
840	Measurement of soft-drop jet observables in $pp \rightarrow b\bar{b}$ collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136651.	1.6	21
841	Search for resonances decaying into photon pairs in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136651.	1.5	21
842	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
843	Measurement of the jet cross section in events with a Z boson in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2006, 74, .	1.6	20
844	Search for $W \rightarrow e \nu$ boson decaying to electron-neutrino pairs in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 75, .	1.6	20
845	First Observation of Vector Boson Pairs in a Hadronic Final State at the Tevatron Collider. Physical Review Letters, 2009, 103, 091803.	2.9	20



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847	First measurement of the ratio of branching fractions $B$		

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865	Search for displaced hadronic jets in the ATLAS inner detector and muon spectrometer. Physical Review Letters, 2020, 125, 221802.	1.6	20
866	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.	2.9	20
867	Search for Excited and Exotic Muons in the $\tau \rightarrow \mu \nu \tau$ Decay Channel in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 191802.	2.9	19
868	Search for a Neutral Higgs Boson Decaying to a W Boson Pair in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 081802.	2.9	19
869	Search for High-Mass Diphoton States and Limits on Randall-Sundrum Gravitons at CDF. Physical Review Letters, 2007, 99, 171801.	2.9	19
870	Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2011, 106, 121803.	2.9	19
871	Search for charged Higgs bosons through the violation of lepton universality in $t \rightarrow b \tau \nu$ 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
872	Measurement of $k_T$ splitting scales in $W \rightarrow \tau \nu$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
873	Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV pp collisions with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	19
874	Search for flavour-changing neutral current top quark decays $t \rightarrow c \gamma$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	1.6	19
875	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 229-245.	1.5	19
876	Addendum to "Measurement of the $t \bar{t} \rightarrow t \bar{t} \gamma$ production cross-section using $t \bar{t} \rightarrow b \bar{b} \gamma$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	1.4	19
877	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. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
878	Probing lepton flavour violation via neutrinoless $\mu \rightarrow e \gamma$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	1.4	19
879	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	1.4	19
880	Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 557-577.	1.5	19
881	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	1.4	19
882	Search for top-quark decays $t \rightarrow c \gamma$ with 36 fb $^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	19

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883	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
884	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>-1</sup> of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
885	Measurement of the production cross section of $WZ$ events using the ATLAS detector. Journal of High Energy Physics, 2007, 2007, 1.	1.6	18
886	Measurement of the hadron production cross section using decays to $D^0$ final states in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2009, 79, .	1.6	18
887	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	18
888	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. European Physical Journal C, 2011, 71, 1.	1.4	18
889	Measurement of $WZ$ production cross sections in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2012, 717, 48-60.	1.6	18
890	Search for resonant diboson production in the $WW/WZ$ decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	1.6	18
891	Measurement of the transverse polarization of $WZ$ events using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.5	18
892	Measurement of the production cross section of $WZ$ events using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	18
893	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tau\tau$ , in $s = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	18
894	Search for resonant $WZ$ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2018, 787, 68-88.	1.6	18
895	Measurement of the production cross section of $WZ$ events using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	18
896	Measurements of inclusive and differential fiducial cross-sections of $WZ$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
897	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
898	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. European Physical Journal C, 2021, 81, 1.	1.4	18
899	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. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
900	Measurement of mass and width of the excited charmed meson states $D_{10}$ and $D_{2^*0}$ at CDF. Physical Review D, 2006, 73, .	1.6	17

#	ARTICLE	IF	CITATIONS
901	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	2.9	17
902	Cross-Section-Constrained Top-Quark Mass Measurement from Dilepton Events at the Tevatron. Physical Review Letters, 2008, 100, 062005.	2.9	17
903	Measurement of W-boson helicity fractions in top-quark decays using $\cos\theta_{1^*}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 160-167.	1.5	17
904	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. Physical Review D, 2011, 83, .	1.6	17
905	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
906	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
907	Search for scalar top quark pair production in minimal gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	1.5	17
908	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	1.5	17
909	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
910	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
911	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 158.	1.4	17
912	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
913	Measurement of jet pT correlations in b + B and pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 379-402.	1.5	17
914	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
915	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
916	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
917	Direct top-quark decay width measurement in the $t \rightarrow \tau \bar{\nu}_\tau$ lepton+jets channel at $\sqrt{s}=8-13$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
918	Search for flavor-changing neutral currents in top quark decays $t \rightarrow c \nu$ and $t \rightarrow u \nu$ in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	17

#	ARTICLE	IF	CITATIONS
919	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
920	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 136-158.	1.6	17
921	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
922	Measurements of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
923	Measurement of $W^{\pm}$ boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
924	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 2020, 1.	1.5	17
925	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
926	Search for the $HH \rightarrow \gamma\gamma$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
927	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	1.6	17
928	Search for Displaced Leptons in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
929	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	17
930	Longitudinal Flow Decorrelations in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
931	Search for Displaced Leptons in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	1.5	17
932	Search for Displaced Leptons in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
933	Search for third generation vector leptoquarks in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2008, 77, .	1.6	17
934	Measurement of $\theta_{13}$ Production Cross Section in $pp$ Collisions at $\sqrt{s}=1.96$ TeV Using MissingET+jets Events with Secondary Vertex Tagging. Physical Review Letters, 2006, 96, 202002.	2.9	16
935	Search for third generation vector leptoquarks in $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2008, 77, .	1.6	16
936	First Observation of the Decay $B_s \rightarrow D_s \gamma$ and Measurement of Its Branching Ratio. Physical Review Letters, 2008, 100, 021803.	2.9	16

#	ARTICLE	IF	CITATIONS
937	Search for a heavy Standard Model Higgs boson in the channel $\gamma\gamma$ in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.5	16
938	Search for resonant top quark plus jet production in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	16
939	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
940	Search for nonpointing photons in the diphoton and $\gamma\gamma$ final state in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 299-302.	1.5	16
941	Search for top quark pair production in association with a Higgs boson decaying to two bottom quarks in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.5	16
942	Search for top quark pair production in association with a Higgs boson decaying to two bottom quarks in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	16
943	Simultaneous measurements of the $t\bar{t}$ and $t\bar{t}H$ production cross-sections in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	1.5	16
944	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	16
945	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	16
946	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $s = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
947	Measurements of four-lepton production in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 249-268.	1.5	16
948	Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
949	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
950	Top-quark mass measurement in the all-hadronic $t\bar{t} \rightarrow t\bar{t} + \text{hadrons}$ decay channel at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
951	Measurement of colour flow using jet-pull observables in $t\bar{t}H$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
952	Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 152002.	2.9	16
953	Search for exclusive Higgs and Z boson decays to $\tau^+\tau^-$ and $\tau^+\tau^- + \text{hadrons}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
954	Measurement of differential cross sections and $W^+/\bar{W}^+$ 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

#	ARTICLE	IF	CITATIONS
955	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 595-614.	2.9	15
956	Measurement of the Ratios of Branching Fractions $B(B_s \rightarrow \tau^+ D_s^-) / B(B \rightarrow \tau^+ D^-)$ and $B(B \rightarrow \tau^+ D^0) / B(B \rightarrow \tau^+ D^+)$ . Physical Review Letters, 2006, 96, 191801.	2.9	15
957	Search for Anomalous Production of Multilepton Events in $pp \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 131804.	2.9	15
958	Search for heavy, long-lived neutralinos that decay to photons at CDF II using photon timing. Physical Review D, 2008, 78, .	1.6	15
959	Search for Pair Production of Scalar Top Quarks Decaying to a Lepton and a Quark in $pp \rightarrow \ell^+ \ell^- q \bar{q}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 042001.	2.9	15
960	Direct Bound on the Total Decay Width of the Top Quark in $pp \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 042001.	2.9	15
961	Top quark mass measurement in the lepton plus jets channel using a modified matrix element method. Physical Review D, 2009, 79, .	1.6	15
962	Exclusion of an Exotic Top Quark with $2/3$ Electric Charge Using Soft Lepton Tagging. Physical Review Letters, 2010, 105, 101801.	2.9	15
963	Search for single top quark production in $pp \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ collisions at $\sqrt{s}=1.96$ TeV in the missing transverse energy plus jets topology. Physical Review D, 2010, 81, .	1.6	15
964	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
965	Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in $pp \rightarrow e \mu$ Collisions at the LHC. Physical Review Letters, 2011, 106, 251801.	2.9	15
966	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
967	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
968	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
969	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
970	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
971	Search for a multi-Higgs-boson cascade in $pp \rightarrow W W W W$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2014, 89, .	1.6	15
972	Measurement of event-shape observables in $pp \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	1.4	15

#	ARTICLE	IF	CITATIONS
973	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \tau^+ \tau^- e^+ e^-$ with the ATLAS detector at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
974	Search for strong gravity in multijet final states produced in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
975	Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 206-228.	1.6	15
976	Search for dark matter in association with a Higgs boson decaying to two photons at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	15
977	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
979	Search for scalar resonances decaying into $\tau^+ \tau^-$ in events with and without b-tagged jets produced in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
980	Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2019, 100, .	1.6	15
981	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
982	Test of the universality of $\tilde{g}$ , and $\tilde{g}$ lepton couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 813-818.	6.5	15
983	Determination of jet calibration and energy resolution in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
984	Measurement of the $\tilde{g}$ production cross section in pp collisions at $s = 1.96 \sqrt{s} = 1.96 \text{ TeV}$ in the all hadronic decay mode. Physical Review D, 2006, 74, .	1.6	14
985	Measurement of the Ratios of Branching Fractions $B(B_s \rightarrow D_s^* \tau^+ \tau^-) / B(B_s \rightarrow D_s^* e^+ e^-)$ and $B(B_s \rightarrow D_s^* \tau^+ \tau^-) / B(B_s \rightarrow D_s^* e^+ e^-)$ . Physical Review Letters, 2007, 98, 061802.	2.9	14
986	Direct Measurement of the W Boson Width in pp Collisions at $s = 1.96 \sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2007, 98, 061802.	2.9	14
987	Distribution of Particles in Jets Produced in pp Collisions at $s = 1.96 \sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2007, 98, 061802.	2.9	14
988	Search for anomalous production of events with two photons and additional energetic objects at CDF. Physical Review D, 2010, 82, .	1.6	14
989	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. European Physical Journal C, 2011, 71, 1.	1.4	14
990	Search for a Heavy Particle Decaying to a Top Quark and a Light Quark in pp Collisions at $s = 1.96 \sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2012, 108, 211805.	2.9	14



#	ARTICLE	IF	CITATIONS
991	Search for excited leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2012, 85.	1.6	14
992	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 819, 135114.	1.5	14
993	Search for new phenomena in events with three charged leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.5	14
994	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
995	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
996	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
997	Studies of $Z\gamma$ 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
998	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 578-602.	1.6	14
999	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 578-602.	1.6	14
1000	Measurement of $VH$ 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
1001	Measurements of inclusive and differential fiducial cross-sections of $\gamma$ production in leptonic final states at $\sqrt{s}=13$ -ext {TeV} in ATLAS. European Physical Journal C, 2019, 79, 1.	1.4	14
1002	Dijet azimuthal correlations and conditional yields in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, 034004.	1.1	14
1003	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
1004	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135114.	1.5	14
1005	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
1006	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
1007	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13$ , ext {TeV}. European Physical Journal C, 2021, 81, 1.	1.4	14
1008	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13$ , ext {TeV}. European Physical Journal C, 2021, 81, 1.	1.4	14

#	ARTICLE	IF	CITATIONS
1009	Search for New Phenomena in Final States with Two Leptons and One or No b -Tagged Jets at $\sqrt{s} = 13$ TeV Using the ATLAS Detector. Physical Review Letters, 2021, 127, 141801.	2.9	14
1010	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
1011	Search for $\overline{Z}$ 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
1012	Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D, 2020, 102, .	1.6	14
1013	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
1014	Search for new phenomena in $p\bar{p}$ collisions in final states with tau leptons, b-jets, and missing transverse momentum with the ATLAS detector. Physical Review D, 2021, 104, .	1.6	14
1015	Measurement of the ratio of branching fractions $B(D_0 \rightarrow K^+ \bar{K}^0) / B(D_0 \rightarrow K^+ \bar{K}^+)$ using the CDF II detector. Physical Review D, 2006, 74, .	1.6	13
1016	Measurement of the top quark mass in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the decay length technique. Physical Review D, 2007, 75, .	1.6	13
1017	Search for Standard Model Higgs Bosons Produced in Association with $W$ Bosons. Physical Review Letters, 2008, 100, 041801.	2.9	13
1018	Search for Gluino-Mediated Bottom Squark Production in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 221801.	2.9	13
1019	Measurement of the $t\bar{t} \rightarrow \tilde{A} \tilde{A}^*$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV using the ATLAS detector. Physical Review D, 2009, 79, .	1.6	13
1020	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
1021	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
1022	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
1023	Search for lepton flavour violation in the $e\bar{\nu}_\mu$ 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
1024	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
1025	Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 357, 111802.	2.9	13

#	ARTICLE	IF	CITATIONS
1027	Measurement of the CP-violating phase $\arg(\Gamma_s)$ and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \pi^+ \pi^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
1028	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
1029	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
1030	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
1031	Search for new phenomena in high-mass final states with a photon and a jet from $pp$ collisions at $\sqrt{s}$ . European Physical Journal C, 2018, 78, 102.	1.4	13
1032	Measurement of the production cross section of three isolated photons in $pp$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 767, 55-76.	1.6	13
1033	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $WZ$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 2019, 1.	1.6	13
1034	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.5	13
1035	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 114007.	1.6	13
1036	Search for non-resonant Higgs boson pair production in the $b\bar{b}$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135145.	1.6	13
1037	Measurement of the CP-violating phase $\arg(\Gamma_s)$ in $B_s^0 \rightarrow \pi^+ \pi^-$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	1.5	13
1038	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
1039	Search for long-lived charginos based on a disappearing-track signature using 136 fb <sup>-1</sup> of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	13
1040	Observation of $B_s^0 \rightarrow \pi^+ \pi^- (2S)$ and Measurement of the Ratio of Branching Fractions $B(B_s^0 \rightarrow \pi^+ \pi^- (2S)) / B(B_s^0 \rightarrow \pi^+ \pi^-)$ . Physical Review Letters, 2006, 96, 231801.	2.9	12
1041	Search for chargino-neutralino production in $pp$ collisions at $\sqrt{s} = 13.6$ TeV using dilepton events with a lepton plus track selection. Physical Review D, 2008, 77, .	1.6	12
1042	Measurement of the $\theta_{13}$ cross section in $pp$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events with a lepton plus track selection. Physical Review D, 2009, 79, .	1.6	12

#	ARTICLE	IF	CITATIONS
1045	Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in $p\bar{p}$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	12
1046	Underlying event characteristics and their dependence on jet size of charged-particle jet events in $p\bar{p}$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	12
1047	Search for Production of Resonant States in the Photon-Jet Mass Distribution Using $p\bar{p}$ Collisions at $\sqrt{s}=7\text{ TeV}$ Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802.	2.9	12
1048	Search for resonant $WZ$ production in the $WZ\tau^+\tau^-$ channel in $p\bar{p}$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	12
1049	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
1050	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	12
1051	Measurement of the branching ratio $\text{Br}(B \rightarrow \tau^+\tau^-)$ in $p\bar{p}$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2013, 88, .	1.5	12
1052	Measurement of charged-particle event shape variables in inclusive $p\bar{p}$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2013, 88, .	1.6	12
1053	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in $20\text{ fb}^{-1}$ of $\sqrt{s}=8\text{ TeV}$ proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
1054	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. Physical Review D, 2014, 89, .	1.6	12
1055			

#	ARTICLE	IF	CITATIONS
1063	Search for $B^{\pm}L$ R-parity-violating top squarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS experiment. Physical Review D, 2018, 97, .	1.6	12
1064	Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
1065	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 2, 9	1.6	12
1066	Measurement of the $t\bar{t}$ production cross-section in the lepton+jets channel at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.5	12
1067	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
1068	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s}=13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
1069	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s}=8, 13$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	12
1070	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
1071	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
1072	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
1073	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
1074	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
1075	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
1076	Search for Scalar Bottom Quarks from Gluino Decays in $\sqrt{s}=1.96$ TeV pp Collisions. Physical Review Letters, 2006, 96, 171802.	2.9	11
1077	Search for Chargino-Neutralino Production in $\sqrt{s}=1.96$ TeV pp Collisions. Physical Review Letters, 2007, 99, 191806.	2.9	11
1078	Search for new physics in lepton+photon+X events with $\sqrt{s}=1.96$ TeV pp collisions. Physical Review D, 2007, 75, .	1.6	11
1079	Measurement of the $t\bar{t}$ -jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 191806.	1.6	11
1080	ATLAS offline data quality monitoring. Journal of Physics: Conference Series, 2010, 219, 042018.	0.3	11

#	ARTICLE	IF	CITATIONS
1081	Search for the Higgs Boson Using Neural Networks in Events with Missing Energy and b-Quark Jets in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 141801.	2.9	11
1082	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
1083	Measurement of the cross section of high transverse momentum Z production with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 111801.	1.5	11
1084	Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	1.5	11
1085	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
1086	Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Physical Review D, 2016, 93, .	1.6	11
1087	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
1088	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
1089	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
1090	Machine learning techniques in searches for $t \rightarrow t^{\pm} h$ in the $h \rightarrow b \bar{b}$ decay channel. Journal of Instrumentation, 2017, 12, P04014-P04014.	0.5	11
1091	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
1092	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D, 2019, 99, .	1.6	11
1093	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D, 2019, 99, .	1.1	11
1094	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
1095	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. Physical Review Letters, 2020, 125, 111801.	1.5	11
1096	Two-particle azimuthal correlations in photonuclear ultraperipheral collisions at 5.02 TeV with ATLAS. Physical Review C, 2021, 104, .	1.1	11
1097	Exclusive dimuon production in ultraperipheral collisions at $\sqrt{s} = 5.02$ TeV with ATLAS. Physical Review C, 2021, 104, .	1.1	11
1098	Search for Anomalous Kinematics in Dilepton Events at CDF II. Physical Review Letters, 2005, 95, 022001.	2.9	10

#	ARTICLE	IF	CITATIONS
1099	Search for standard model Higgs boson production in association with a $W$ boson at CDF. Physical Review D, 2008, 78, .	1.6	10
1100	Search for the Associated Production of the Standard-Model Higgs Boson in the All-Hadronic Channel. Physical Review Letters, 2009, 103, 221801.	2.9	10
1101	Search for the Higgs boson produced in association with $Z$ . Top quark mass measurement in the $t\bar{t}$ channel using a matrix element method at CDF II. Physical Review D, 2009, 80, .	1.6	10
1102	Measurement of the top quark mass at CDF using the $t\bar{t}$ channel using a matrix element technique in all hadronic collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 131801.	1.6	10
1103	Measurement of the top quark mass at CDF using the $t\bar{t}$ channel using a matrix element technique in all hadronic collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2009, 79, .	1.6	10
1104	Search for New Physics with a Dijet Plus Missing ETSignature in $pp$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 131801.	2.9	10
1105	Search for the Higgs boson in the $pp$ collisions at $\sqrt{s}=1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 40-58.	1.5	10
1106	Search for "contact interactions in dilepton events from $pp$ collisions at $\sqrt{s}=1.96$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 40-58.	1.5	10
1107	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	10
1108	A measurement of material in the ATLAS tracker using secondary hadronic interactions in $7$ TeV $pp$ collisions. Journal of Instrumentation, 2016, 11, P11020-P11020.	0.5	10
1109	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
1110	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
1111	Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, .	1.5	10
1112	Measurement of $W$ boson angular distributions in events with high transverse momentum jets at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 132-153.	1.5	10
1113	Measurement of the $Z\gamma$ production cross section in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
1114	Measurement of the inclusive and fiducial $t\bar{t}\gamma$ production cross-sections in the $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 487.	1.4	10
1115	Measurement of prompt photon production in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134913.	1.5	10
1116	Evidence for the production of three massive vector bosons with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134913.	1.5	10

#	ARTICLE	IF	CITATIONS
1117	Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2019, 99, .	1.6	10
1118	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb <sup>-1</sup> of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135082.	1.5	10
1119	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W <sup>±</sup> and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	10
1120	Measurement of J/ψ production in association with a W <sup>±</sup> boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	10
1121	Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. <i>Journal of Instrumentation</i> , 2017, 12, P05002-P05002.	0.5	10
1122	Measurement of the t $\bar{t}$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	10
1123	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 <sup>-1</sup> of pp collision data at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	10
1124	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. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	10
1125	Search for resonant pair production of Higgs bosons in the $b\bar{b}$ channel. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	10
1126	Search for single production of a vectorlike quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector. <i>Physical Review D</i> , 2022, 105, 1.	1.6	10
1127	Search for single production of a vectorlike quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector. <i>Physical Review D</i> , 2022, 105, 1.	1.5	9
1128	Search for Higgs Bosons Decaying to $b\bar{b}$ and Produced in Association with W Bosons in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006, 96, 081803.	2.9	9
1129	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. <i>Physical Review D</i> , 2008, 78, .	1.6	9
1130	Two-particle momentum correlations in jets produced in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008, 77, .	1.6	9
1131	Measurement of the $W+W\gamma$ production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s}=1.96$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 354-374.	1.5	9
1132	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 238.	1.4	9
1133	Measurement of the $W+W\gamma$ production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s}=1.96$ TeV with the ATLAS experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 354-374.	1.6	9
1134	Measurement of the $\gamma\gamma$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	9



#	ARTICLE	IF	CITATIONS
1135	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
1136	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV using the ZZ $\rightarrow \tau^+ \tau^-$ , $\tau^+ \tau^- \nu \bar{\nu}$ , $\tau^+ \tau^- \mu^+ \mu^-$ and ZZ $\rightarrow \tau^+ \tau^- \nu \bar{\nu}$ , $\tau^+ \tau^- \mu^+ \mu^-$ , $\tau^+ \tau^- \nu \bar{\nu} \nu \bar{\nu}$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
1137	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
1138	Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
1139	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	1.6	9
1140	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	1.5	9
1141	Combinations of single-top-quark production cross-section measurements and $ f_{LVtb} $ determinations at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
1142	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	9
1143	Measurement of the $Z(\tau^+ \tau^- \nu \bar{\nu})^3$ production cross-section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
1144	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
1145	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.	1.5	9
1146	Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137077.	1.5	9
1147	Search for ZZ and ZW production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	1.6	8
1148	On-line tracking processors at hadron colliders: The SVT experience at CDF II and beyond. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 473-475.	0.7	8
1149	Cross section measurements of high-pT dilepton final-state processes using a global fitting method. Physical Review D, 2008, 78, .	1.6	8
1150	Measurement of the top quark mass using the invariant mass of lepton pairs in soft muon-tagged events. Physical Review D, 2009, 80, .	1.6	8
1151	Measurement of $Z\tau^3$ production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.6	8
1152	Measurement of the $B^0$ lifetime using a simulation free approach for trigger bias correction. Physical Review D, 2011, 83, .	1.6	8

#	ARTICLE	IF	CITATIONS
1153	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 24-45.	1.5	8
1154	Measurement of the relative width difference of the $B^0$ and $\bar{B}^0$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.5	8
1155	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
1156	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
1157	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
1159	A search for resonances decaying into a Higgs boson and a new particle X in the $XH\rightarrow q\bar{q}bb$ final state with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 24-45.	1.5	8
1160	Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and determination of the strong coupling. Physical Review D, 2018, 98, 034004.	1.6	8
1161	Search for large missing transverse momentum in association with one top quark in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
1162	Measurement of $W^+W^-$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
1163	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s}=8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
1164	Measurements of $W+W\bar{\nu}+\nu$ 1 jet production cross-sections in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
1165	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 819-825.	6.5	8
1166	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
1167	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136412.	1.5	8
1168	Reconstruction and identification of boosted di- $\tau$ 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
1169	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
1170	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137066.	1.5	8

#	ARTICLE	IF	CITATIONS
1171	Search for Lepton-Flavor Violation in $Z \rightarrow \tau^+ \tau^-$ -Boson Decays with the ATLAS Detector. Physical Review Letters, 2021, 127, 071801.	2.9	8
1172	Search for scalar leptoquark pairs decaying to $1/2 \tau^+ 1/2 \tau^- qq$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	7
1173	Search for New Physics in Lepton+Photon+X Events with 305 fb <sup>-1</sup> of pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 031801.	2.9	7
1174	Search for exotic $S = \pm 2$ baryons in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2007, 75, .	1.6	7
1175	Measurement of the top-quark mass using missing ET+jet events with secondary vertex b-tagging at CDF II. Physical Review D, 2007, 75, .	1.6	7
1176	Search for Technicolor Particles Produced in Association with a $W$ Boson at CDF. Physical Review Letters, 2010, 104, 111802.	2.9	7
1177	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	7
1178	Femtoscopia with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS. Physical Review C, 2017, 95, .	1.6	7
1179	Search for a $W$ boson decaying into a $Z$ boson and a $\tau$ lepton with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	7
1180	Measurement of $\sigma_{\text{Au Au}}^{\text{Z}}$ , polarisation in $\text{Z} \rightarrow \tau^+ \tau^-$ at $\sqrt{s} = 2.76$ . European Physical Journal C, 2018, 78, 163.	1.4	7
1181	Combination of inclusive and differential $\overline{\text{t}} \text{t}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
1182	Modelling radiation damage to pixel sensors in the ATLAS detector. Journal of Instrumentation, 2019, 14, P06012-P06012.	0.5	7
1183	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
1184	Medium-Induced Modification of $Z$ -Tagged Charged Particle Yields in $pp$ Collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS Detector. Physical Review Letters, 2021, 126, 072301.	2.9	7
1185	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	1.4	7
1186	Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136832.	1.5	7
1187	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
1188	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7

#	ARTICLE	IF	CITATIONS
1189	Real time secondary vertexing at CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 111-114.	0.7	6
1190	Search for narrow resonances lighter than $\tilde{\eta}$ mesons. European Physical Journal C, 2009, 62, 319-326.	1.4	6
1191	Search for standard model Higgs boson production in association with a $W$ boson using a neural network discriminant at CDF. Physical Review D, 2009, 80, .	1.6	6
1192	Data quality from the Detector Control System at the ATLAS experiment. Journal of Physics: Conference Series, 2010, 219, 022037.	0.3	6
1193	Search for narrow resonances lighter than $\tilde{\eta}$ mesons. European Physical Journal C, 2009, 62, 319-326.	1.6	6
1194	Search for contact interactions in dimuon events from $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	1.6	6
1195	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.	1.5	6
1196	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in $pp$ collisions at a centre-of-mass energy of $7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	1.5	6
1197	Search for narrow resonances lighter than $\tilde{\eta}$ mesons. European Physical Journal C, 2009, 62, 319-326.	1.6	6
1198	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
1199	Measurement of $ZZ$ production in the $\tilde{\chi}_1^0, \tilde{\chi}_1^0, \tilde{\chi}_1^0 \tilde{\chi}_1^0$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
1200	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
1201	Search for narrow resonances lighter than $\tilde{\eta}$ mesons. European Physical Journal C, 2009, 62, 319-326.	2.9	6
1202	Observation of photon-induced $W+W^+$ production in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136190.	1.5	6
1203	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2021, 16, P07029.	0.5	6
1204	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 125, 251802.	2.9	6
1205	Performance of the ATLAS Level-1 topological trigger in Run-2. European Physical Journal C, 2022, 82, 1.	1.4	6
1206	Measurements of azimuthal anisotropies of jet production in $Pb-Pb$ collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physical Review C, 2022, 105, .	1.1	6

#	ARTICLE	IF	CITATIONS
1207	Search for new heavy particles decaying to $Z\gamma$ or $Z\mu\mu$ at the LHC. Physical Review D, 2009, 79, 092001.	1.6	5
1208	Search for new physics in the $pp \rightarrow \tilde{l}^+ \tilde{l}^-$ with a low- $p_T$ lepton threshold at the Collider Detector at Fermilab. Physical Review D, 2009, 79, 092001.	1.6	5
1209	Searching the inclusive $pp \rightarrow \tilde{t} \bar{\tilde{t}}$ signature for radiative top quark decay and non-standard-model processes. Physical Review D, 2009, 80, 014011.	1.6	5
1210	Study of multi-muon events produced in $pp$ interactions at $\sqrt{s}=1.96$ TeV. European Physical Journal C, 2010, 68, 109-118.	1.4	5
1211	NLO QCD corrections to $t\bar{t} \rightarrow Z\gamma$ and $t\bar{t} \rightarrow Z\mu\mu$ production in forward-backward asymmetry models. Journal of High Energy Physics, 2013, 2013, 1.	1.6	5
1212	Search for a Two-Higgs-Boson Doublet Using a Simplified Model in $pp$ Collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 93, 012001.	2.9	5
1213	Design of a hardware track finder (Fast Tracker) for the ATLAS trigger. Journal of Instrumentation, 2016, 11, C02056-C02056.	0.5	5
1214	Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2016, 93, 012001.	1.6	5
1215	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged $pp$ collisions at $\sqrt{s}=8$ and $13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	5
1216	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
1217	The ATLAS Fast Tracker system. Journal of Instrumentation, 2021, 16, P07006.	0.5	5
1218	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
1219	Measurement of the inclusive isolated-photon cross section in $pp$ collisions at $\sqrt{s}=13$ TeV using $36 \text{ fb}^{-1}$ of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
1220	Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. Computing and Software for Big Science, 2022, 6, 1.	1.3	5
1221	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
1222	Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in the ATLAS detector. Physical Review D, 2022, 105, 012001.	1.6	5
1223	Search for the Higgs Boson Produced in Association with $Z\gamma$ or $Z\mu\mu$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 101, 251803.	2.9	4
1224	Search for the neutral current top quark decay $t \rightarrow Zc\bar{c}$ using the ratio of $Z$ -boson $pp \rightarrow Zc\bar{c} + \text{c.c.}$ to $pp \rightarrow Zc\bar{c} + \text{c.c.}$ cross sections. Physical Review D, 2022, 105, 012001.	1.6	4

#	ARTICLE	IF	CITATIONS
1225	Search for anomalous production of events with a photon, jet, b-quark jet, and missing transverse energy. <i>Physical Review D</i> , 2009, 80, .	1.6	4
1226	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	4
1227	Measurement of $W+W^*$ production in association with one jet in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 114-133.	1.5	4
1228	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. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	4
1229	Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016, 94, .	1.6	4
1230	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , 2019, 79, .	1.4	4
1231	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4
1232	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. <i>Journal of Instrumentation</i> , 2020, 15, P11016-P11016.	0.5	4
1233	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	4
1234	Search for bottom-squark pair production in collision events at $\sqrt{s} = 13$ TeV with hadronically decaying Higgs bosons. <i>Physical Review D</i> , 2021, 103, 014011.	1.6	4
1235	Search for top squarks in events with a Higgs or Z boson using 139 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	4
1236	Measurement of $S^0$ and $\Lambda^0$ production in dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	4
1237	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. <i>European Physical Journal C</i> , 2022, 82, 1.	1.4	4
1238	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	4
1239	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. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	4
1240	Search for $b \rightarrow p$ and $b \rightarrow K$ decays in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2005, 72, .	1.6	3
1241	Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a W boson at CDF II. <i>Physical Review D</i> , 2006, 73, .	1.6	3
1242	Measurement of the ratio of branching fractions $B(B \rightarrow \tau^+ \nu_\tau) / B(B \rightarrow K^+ \nu_\tau)$ . <i>Physical Review D</i> , 2009, 79, .	1.6	3

#	ARTICLE	IF	CITATIONS
1243	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	3
1244	Measurement of the $k_t$ splitting scales in $Z \rightarrow \tau^+ \tau^-$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
1245	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	3
1246	Measurements of inclusive and differential cross-sections of combined $\overline{t}\gamma$ and $tW^3$ production in the $e^+e^-$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
1247	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
1248	Measurement of the relative $B_c$ production cross section with the ATLAS detector at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.6	3
1249	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
1250	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025.	0.5	3
1251	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. , 2015, 2015, 1.		3
1252	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
1253	Two-particle Bose-Einstein correlations in $\{pp\}$ collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. European Physical Journal C, 2022, 82, .	1.4	3
1254	First Measurement of the Ratio of Central-Electron to Forward-Electron Partial Cross Sections in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 251801.	2.9	2
1255	Search for $WZ$ and $WZ$ production in lepton plus jets final states at CDF. Physical Review D, 2008, 78, .	1.6	2
1256	Search for a heavy vector boson decaying to two gluons in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 86, .	1.6	2
1257	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
1258	Study of ordered hadron chains with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	2
1259	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s} = 4$ TeV. Journal of Instrumentation, 2018, 13, P12006-P12006.	0.5	2
1260	Search for trilepton resonances from chargino and neutralino pair production in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D, 2021, 103, .	1.6	2

#	ARTICLE	IF	CITATIONS
1261	Measurement of the $\overline{t\bar{t}}$ production cross-section using $(e\mu)$ events with $(b)$ -tagged jets in $(pp)$ collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector. , 2014, 74, 1.		2
1262	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $pp$ collisions at $(\sqrt{s}=8\text{--})$ TeV with the ATLAS detector. , 2015, 75, 1.		2
1263	Search for heavy particles in the $b$ -tagged dijet mass distribution with additional $b$ -tagged jets in proton-proton collisions at $s=13\text{â€‰}\text{â€‰}\text{TeV}$ with the ATLAS experiment. Physical Review D, 2022, 105, .	1.6	2
1264	Search for exotic decays of the Higgs boson into $b\overline{b}$ 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
1265	Measurement of the energy asymmetry in $t\bar{t}$ production at $13\text{,}1\text{TeV}$ with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2
1266	The "Road Warrior" for the CDF online silicon vertex tracker. IEEE Transactions on Nuclear Science, 2006, 53, 648-652.	1.2	1
1267	ATLAS FTK Challenge: Simulation of a Billion-fold Hardware Parallelism. Procedia Computer Science, 2015, 66, 540-545.	1.2	1
1268	Measurement of the $t\bar{t}\gamma$ production cross section in the $\gamma$ -jets final state in $pp$ collisions at $s=8\text{â€‰}\text{â€‰}\text{TeV}$ using the ATLAS detector. Physical Review D, 2017, 95, .	1.6	1
1269	Measurement of the jet mass in high transverse momentum $Z(\gamma^*bb^{3/4})\gamma^3$ production at $s=13\text{TeV}$ using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135991.	1.5	1
1270	Search for heavy resonances decaying into a $W$ or $Z$ boson and a Higgs boson in final states with leptons and $b$ -jets in $36\text{fb}^{-1}$ of $(\sqrt{s}=13)$ TeV $pp$ collisions with the ATLAS detector. , 2018, 2018, 1.		1
1271	The ATLAS Simulation Infrastructure. , 2010, 70, 823.		1
1272	Search for production of $(WW/WZ)$ resonances decaying to a lepton, neutrino and jets in $(pp)$ collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. , 2015, 75, 1.		1
1273	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in $pp$ collision data at $(\sqrt{s}=8,\text{mathrm TeV})$ with the ATLAS detector. , 2016, 76, 1.		1
1274	Measurement of the $W$ -boson mass in $pp$ collisions at $(\sqrt{s}=7, \text{hbox \{TeV\}})$ with the ATLAS detector. , 2018, 78, 1.		1
1275	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}=13,\text{ext \{TeV\}})$ . , 2018, 78, 1.		1
1276	Operation and performance of the ATLAS semiconductor tracker in LHC Run-2. Journal of Instrumentation, 2022, 17, P01013.	0.5	1
1277	A search for an unexpected asymmetry in the production of $e^+b\bar{b}$ and $e^+t\bar{t}$ pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s}=13\text{TeV}$ . Journal of High Energy Physics, 2022, 830, 137106.	1.5	1
1278	Search for hadronic decays of $Z$ bosons in photon events in $pp$ collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2022, 830, 137106.	1.6	0



#	ARTICLE	IF	CITATIONS
1279	Comments and Reply on: "Study of multi-muon events produced in $p\bar{p}$ interactions at $\sqrt{s}=1.96$ TeV", T. Aaltonen et al. (The CDF Collaboration). European Physical Journal C, 2010, 68, 119-123.	1.4	0
1280	Performance of the ATLAS Transition Radiation Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 706, 33-38.	0.7	0
1281	Studies of the performance of the ATLAS detector using cosmic-ray muons. , 2012, , 239-274.		0