

# Claudia Glasman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8150799/publications.pdf>

Version: 2024-02-01

659  
papers

32,090  
citations

4960

84  
h-index

11308

136  
g-index

668  
all docs

668  
docs citations

668  
times ranked

10637  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
2	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
3	Combined measurement and QCD analysis of the inclusive $e^+p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	458
4	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.	3.9	453
5	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 075001.	3.6	406
6	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.	3.9	362
7	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
8	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	3.9	298
9	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
10	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.	3.9	274
11	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.	3.9	268
12	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
13	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248
14	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.	3.9	238
15			

#	ARTICLE	IF	CITATIONS
19	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	3.9	209
20	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.	3.9	204
21	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s}=8\text{ TeV}$ in $pp$ collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
22	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 903.	3.9	181
23	Luminosity determination in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
24	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
25	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
26	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
27	Search for new high-mass phenomena in the dilepton final state using 36 $\text{fb}^{-1}$ of proton-proton collision data at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
28	Exclusive electroproduction of $J/\psi$ mesons at HERA. Nuclear Physics B, 2004, 695, 3-37.	2.5	164
29	Evidence for a narrow baryonic state decaying to $K^0_S p$ and $K^0_S p^0$ , in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 7-22.	4.1	162
30	Measurement of the proton structure function $F_2$ at very low $Q^2$ at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 53-73.	4.1	155
31	Measurement of the transverse momentum and $\phi^*_{\eta}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
32	Measurement of the top quark-pair production cross section with ATLAS in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ . European Physical Journal C, 2011, 71, 1.	3.9	146
33	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.	4.7	145
34	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
35	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^-$ . European Physical Journal C, 2017, 77, 367.	3.9	145
36	Measurement of deeply virtual Compton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 46-62.	4.1	143

#	ARTICLE	IF	CITATIONS
37	Measurement of the $\sigma(\overline{t}t)$ production cross-section using $\sqrt{s} = 7$ TeV events with $b$ -tagged jets in $pp$ collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
38	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. Physical Review D, 2003, 67, .	4.7	139
39	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	3.9	138
40	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.	4.7	137
41	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.	4.7	136
42	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	3.9	134
43	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.	3.9	132
44	Comparison of ZEUS data with standard model predictions for $e^+p \rightarrow e^+X$ scattering at high $x$ and $Q^2$ . Zeitschrift für Physik C-Particles and Fields, 1997, 74, 207-220.	1.5	131
45	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.	4.7	131
46	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.	3.9	130
47	Measurement of the proton structure function $F_2$ and at low and very low $x$ at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 432-448.	4.1	129
48	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.	4.7	128
49	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$ in $\overline{t}t$ events using $pp$ collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
50	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.	3.9	125
51	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.	3.9	123
52	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	3.9	121
53			

[illegible]

#	ARTICLE	IF	CITATIONS
73	Measurement of elastic $\gamma^* \gamma$ photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 437, 432-444.	4.1	94
74	Measurement of $D^* \Lambda^\pm$ production in deep inelastic $e^+p$ scattering at DESY HERA. Physical Review D, 2004, 69, .	4.7	94
75	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93
76	Measurements of the $W W$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
77	production in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 402-418.	4.1	91
78	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.	3.9	90
79	Search for the $b \bar{b} \gamma$ 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.	4.7	89
80	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.	4.7	88
81	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.	4.7	88
82	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
83	Measurement of multi-particle azimuthal correlations in pp, pPb and low-multiplicity PbPb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	3.9	86
84	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.	4.7	84
85	Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of $\hat{\alpha}_s$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 547, 164-180.	4.1	83
86	Exclusive electroproduction of $\eta$ mesons at HERA. Nuclear Physics B, 2005, 718, 3-31.	2.5	83
87	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.	4.7	82
88	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.	3.9	82
89	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.	4.7	81
90	Measurement of the prompt $J/\psi \gamma^* \gamma$ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81

#	ARTICLE	IF	CITATIONS
91	Measurement of elastic $\gamma\gamma$ photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 259-272.	4.1	80
92	Leading neutron production in e+p collisions at HERA. Nuclear Physics B, 2002, 637, 3-56.	2.5	80
93	Search for dark matter at $\sqrt{s}=13\text{ TeV}$ in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80
94	Search for single-top production in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 153-170.	4.1	79
95	Search for production of $WW/WZ$ resonances decaying to a lepton, neutrino and jets in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
96	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	79
97	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	3.9	79
98	Measurement of the cross section for the reaction $\gamma p \rightarrow J/\psi p$ with the ZEUS detector at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 350, 120-134.	4.1	78
99	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
100	Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter. Nuclear Physics B, 2005, 713, 3-80.	2.5	77
101	Light-quark and gluon jet discrimination in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
102	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.	3.9	77
103	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2019, 79, 1.	3.9	77
104	Angular analysis of $B^0 \rightarrow \pi^+ \pi^- \gamma$ decays in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	76
105	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75
106	Measurement of quarkonium production in lead and proton-proton collisions at $\sqrt{s}=5.02\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
107	Search for resonant diboson production in the $ee \rightarrow q\bar{q} \gamma \gamma$ final state in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
108	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.	3.9	73

#	ARTICLE	IF	CITATIONS
109	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
110	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73
111	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	3.9	73
112	Search for supersymmetry at $\sqrt{s}=13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	3.9	72
113	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
114	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
115	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
116	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	3.9	71
117	Exclusive photoproduction of $J/\psi$ mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 4-12.	4.1	70
118	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.	3.9	70
119	Search for resonances in diphoton events at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
120	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \bar{\nu}_{\tau}$ in fully hadronic final states using pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
121	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.	3.9	68
122	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.	4.7	67
123	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.	3.9	67
124	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.	4.7	67
125	Dijet cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 665-680.	4.1	66
126	Exclusive $J/\psi$ production in deep inelastic electron-proton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 601-616.	4.1	66



#	ARTICLE	IF	CITATIONS
127	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.	4.7	66
128	A search for $t\bar{t}\tilde{A}^0$ 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.	4.7	66
129	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.	3.9	66
130	Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 765, 1-30.	2.5	65
131	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.	4.7	65
132	Measurement of the $W\tilde{A}^0$ , $W\tilde{A}^0/2$ and $Z\tilde{A}^0$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
133	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.	4.7	64
134	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.	3.9	64
135	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
136	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.	3.9	64
137	Measurement of the diffractive structure function $F_2^D(4)$ at HERA. European Physical Journal C, 1998, 1, 81-96.	3.9	63
138	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.	3.9	63
139	Measurement of the longitudinal proton structure function at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 8-22.	4.1	62
140	A QCD analysis of ZEUS diffractive data. Nuclear Physics B, 2010, 831, 1-25.	2.5	62
141	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
142	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.	3.9	62
143	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61
144	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0_1$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61

#	ARTICLE	IF	CITATIONS
145	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.	3.9	61
146	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.	3.9	61
147	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.	3.9	61
148	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.	3.9	61
149	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61
150	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.	3.9	60
151	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.	4.7	60
152	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.	4.7	60
153	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} \rightarrow b\bar{b} \rightarrow \ell\bar{\ell} \ell\bar{\ell} \ell\bar{\ell}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
154	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.	3.9	60
155	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.	3.9	60
156	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.	3.9	59
157	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.	4.7	59
158	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.	4.7	59
159	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.	4.7	59
160	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0 TeV. European Physical Journal C, 2018, 78, 142.	3.9	59
161	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \bar{\nu}_{\tau}$ , in the $\tau^{\pm} + \text{jets}$ and $\tau^{\pm} + \text{lepton}$ 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.	4.7	59
162	Measurement of the diffractive structure function. European Physical Journal C, 1998, 1, 81.	3.9	59

#	ARTICLE	IF	CITATIONS
163	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton–proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
164	Deep inelastic scattering with leading protons or large rapidity gaps at HERA. Nuclear Physics B, 2009, 816, 1-61.	2.5	57
165	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
166	Diffraction hard photoproduction at HERA and evidence for the gluon content of the pomeron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 129-146.	4.1	56
167	Rapidity gaps between jets in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 55-68.	4.1	56
168	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.	3.9	56
169	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.	3.9	56
170	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
171	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.	4.7	56
172	Search for direct top squark pair production in events with a $Z$ boson, $b$ -jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
173	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.	4.7	55
174	Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55
175	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
176	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
177	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
178	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7\text{ fb}^{-1}$ of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
179	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
180	Search for Higgs boson pair production in the $\gamma\gamma WW^{*}\gamma$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53

#	ARTICLE	IF	CITATIONS
181	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.	4.7	52
182	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.	4.7	52
183	Search for lepton-flavour-violating $H \rightarrow \tau^+ \tau^-$ , decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
184	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	3.9	52
185	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
186	Measurement of exclusive $\gamma$ electroproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 273-288.	4.1	51
187	Measurement of the photon-proton total cross section at a center-of-mass energy of 209 GeV at HERA. Nuclear Physics B, 2002, 627, 3-28.	2.5	51
188	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	3.9	51
189	Measurement of the top quark mass with the template method in the $t \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
190	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z'^{\prime}$ boson in the $\tau^+ \tau^-$ final state produced in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	3.9	51
191	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.	3.9	51
192	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. European Physical Journal C, 2017, 77, 379.	3.9	51
193	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{\text{NN}}}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
194	High-Q <sup>2</sup> neutral current cross sections in e+p deep inelastic scattering at $s=318$ GeV. Physical Review D, 2004, 70, .	4.7	50
195	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
196	Search for direct top squark pair production in final states with two leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	3.9	50
197	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb <sup>-1</sup> of pp collisions at. European Physical Journal C, 2018, 78, 401.	3.9	50
198	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $s=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49

#	ARTICLE	IF	CITATIONS
199	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	49
200	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.	4.7	48
201	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
202	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.	3.9	48
203	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.	4.7	48
204	Measurement of $D^{\pm}$ and $D^0$ production in deep inelastic scattering using a lifetime tag at HERA. European Physical Journal C, 2009, 63, 171-188.	3.9	47
205	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.	4.7	47
206	Measurements of the production cross section of a $Z$ boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 361.	3.9	47
207	Measurement of the top quark mass in the $t \rightarrow t \bar{t} \bar{t}$ . European Physical Journal C, 2019, 79, 1.	3.9	47
208	Measurement of charm and beauty production in deep inelastic ep scattering from decays into muons at HERA. European Physical Journal C, 2010, 65, 65-79.	3.9	46
209	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.	3.9	46
210	Study of the rare decays of $B^0 \rightarrow B^0 s$ and $B^0 \rightarrow B^0$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	3.9	46
211	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
212	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.	3.9	46
213	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.	4.7	46
214	Measurement of high- $Q^2$ charged current cross sections in $e^+p$ deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 539, 197-217.	4.1	45
215	Measurement of isolated photon production in deep inelastic ep scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 16-25.	4.1	45
216	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high- $p_T$ leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45



#	ARTICLE	IF	CITATIONS
217	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton–proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 1.	3.9	45
218	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
219	Measurement of the $\tau$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
220	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
221	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.	4.7	45
222	Search for supersymmetry at $\sqrt{s} = 8 \text{ TeV}$ 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.	4.7	45
223	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
224	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
225	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	44
226	Measurement of the open-charm contribution to the diffractive proton structure function. Nuclear Physics B, 2003, 672, 3-35.	2.5	43
227	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ , $H \rightarrow \tau^+ \tau^- \nu$ decay mode in $\sqrt{s} = 7, 8 \text{ TeV}$ pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
228	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
229	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	3.9	43
230	Search for single top-quark production via flavour-changing neutral currents at $8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	3.9	43
231	Measurement of azimuthal asymmetries in deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 199-212.	4.1	42
232	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
233	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
234	Two-particle Bose–Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and $7 \text{ TeV}$ measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	3.9	42

#	ARTICLE	IF	CITATIONS
235	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	3.9	42
236	Diffraction photoproduction of dijets in ep collisions at HERA. European Physical Journal C, 2008, 55, 177-191.	3.9	41
237	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s}=7\text{--}mbox{TeV}$ proton–proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
238	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
239	Measurement of the production and lepton charge asymmetry of $W$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	3.9	41
240	Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb of $pp$ collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41
241	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in $pp$ collisions at $\sqrt{s}=13\text{--}14\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	41
242	Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	41
243	Limits on the production of the standard model Higgs boson in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	40
244	A search for $t$ resonances in lepton+jets events with highly boosted top quarks collected in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
245	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	3.9	40
246	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 $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
247	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
248	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B^0$ and $B_c^+ \rightarrow J/\psi D_s^+ \bar{B}^0$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
249	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
250	Search for heavy resonances decaying into a pair of $Z$ bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using 139 fb of proton–proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	40
251	Study of $D^{\pm}$ production in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 349, 225-237.	4.1	39
252	Search for massive colored scalars in four-jet final states in $\sqrt{s}=7\text{--}mbox{TeV}$ proton–proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	39

#	ARTICLE	IF	CITATIONS
253	Inclusive-jet photoproduction at HERA and determination of. Nuclear Physics B, 2012, 864, 1-37.	2.5	39
254	Search for flavour-changing neutral current top-quark decays to $\bar{q}Z$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
255	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.	3.9	39
256	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.	4.7	39
257	Measurement of the reaction in deep inelastic e+p scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 220-234.	4.1	38
258	Measurement of beauty production in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 599, 173-189.	4.1	38
259	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
260	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.	4.7	38
261	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.	4.7	38
262	Search for Higgs boson pair production in the $\gamma\gamma$ final state with 13 TeV $pp$ collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
263	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.	3.9	38
264	Search for resonance decays to lepton+jet at DESY HERA and limits on leptoquarks. Physical Review D, 2003, 68, .	4.7	37
265	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.	3.9	37
266	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.	3.9	37
267	Measurement of the W boson polarisation in $t\bar{t}$ events from $pp$ collisions at $\sqrt{s}=8$ TeV in the lepton+jet channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
268	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.	4.7	37
269	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	1.2	37
270	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.	4.7	37



#	ARTICLE	IF	CITATIONS
271	Leading neutron energy and distributions in deep inelastic scattering and photoproduction at HERA. Nuclear Physics B, 2007, 776, 1-37.	2.5	36
272	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	36
273	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
274	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
275	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.	4.7	36
276	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
277	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	3.9	36
278	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 $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
279	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	36
280	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	36
281	Inclusive charged particle distributions in deep inelastic scattering events at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 1-15.	1.5	35
282	Measurement of inclusive prompt photon photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 472, 175-188.	4.1	35
283	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 $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
284	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
285	Search for $W' \rightarrow t\bar{t} \rightarrow q\bar{q}bb$ $W \rightarrow \tau^+ \tau^- b \rightarrow q\bar{q}b$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
286	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ using $4.5 \text{ fb}^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
287	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
288	Measurement of inclusive $(D_s^{\pm})$ photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 213-227.	4.1	34

#	ARTICLE	IF	CITATIONS
289	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.	4.7	34
290	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.	3.9	34
291	Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t}+jets$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	34
292	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.	3.9	34
293	Measurement of Charged and Neutral Current $e^+p$ Deep Inelastic Scattering Cross Sections at High $Q^2$ . Physical Review Letters, 1995, 75, 1006-1011.	7.8	33
294	Dijet angular distributions in direct and resolved photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 401-413.	4.1	33
295	Measurement of dijet production in neutral current deep inelastic scattering at high $Q^2$ and determination of $\hat{\alpha}_s$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 507, 70-88.	4.1	33
296	Leading proton production in e+p collisions at HERA. Nuclear Physics B, 2003, 658, 3-46.	2.5	33
297	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.	4.7	33
298	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. European Physical Journal C, 2012, 72, 1.	3.9	33
299	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.	3.9	33
300	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.	4.7	33
301	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.	4.7	33
302	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.	4.7	33
303	Measurements of $J/\psi(2S)$ and $X(3872) \rightarrow J/\psi + \bar{D}^0 D^0$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
304	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.	4.7	33
305	Observation of events with an energetic forward neutron in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 388-400.	4.1	32
306	Dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 1, 109-122.	3.9	32

#	ARTICLE	IF	CITATIONS
307	Search for single-top production in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 27-36.	4.1	32
308	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.	4.7	32
309	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.	4.7	32
310	Determination of the strong coupling constant $\alpha_{\mathrm{s}}$ from transverse energy-energy correlations in multijet events at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 872.	3.9	32
311	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H\rightarrow b\bar{b}$ decay channel at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	32
312	Measurement of multiplicity and momentum spectra in the current fragmentation region of the Breit frame at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 93-107.	1.5	31
313	Measurement of subjet multiplicities in neutral current deep inelastic scattering at HERA and determination of $\alpha_{\mathrm{s}}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 558, 41-58.	4.1	31
314	Bottom photoproduction measured using decays into muons in dijet events in ep collisions at $\sqrt{s}=31.8$ GeV. Physical Review D, 2004, 70, .	4.7	31
315	Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 649, 12-24.	4.1	31
316	Dijet production in diffractive deep inelastic scattering at HERA. European Physical Journal C, 2007, 52, 813-832.	3.9	31
317	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	31
318	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.	3.9	31
319	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.	4.7	31
320	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.	3.9	31
321	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.	4.7	31
322	Measurement of inclusive and differential cross sections in the $H\rightarrow ZZ^*\rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
323	Search for W W/W Z resonance production in $t\bar{t}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
324	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.	4.7	31

#	ARTICLE	IF	CITATIONS
325	Search for contact interactions, large extra dimensions and finite quark radius in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 23-41.	4.1	30
326	Measurement of high-Q <sup>2</sup> neutral current deep inelastic e <sup>+</sup> p scattering cross sections with a longitudinally polarised electron beam at HERA. European Physical Journal C, 2009, 62, 625-658.	3.9	30
327	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.	3.9	30
328	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.	4.7	30
329	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.	4.7	30
330	Charged-particle distributions in pp interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	3.9	30
331	Searches for the $Z\bar{\nu}\nu$ 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.	4.7	30
332	Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 646.	3.9	30
333	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.	4.7	30
334	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.	4.7	30
335	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.	3.9	30
336	Study of the photon remnant in resolved photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 354, 163-177.	4.1	29
337	Searches for excited fermions in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 32-47.	4.1	29
338	Measurement of high-Q <sup>2</sup> charged current deep inelastic scattering cross sections with a longitudinally polarised positron beam at HERA. European Physical Journal C, 2010, 70, 945-963.	3.9	29
339	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
340	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.	3.9	29
341	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.	4.7	29
342	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.	4.7	29

#	ARTICLE	IF	CITATIONS
343	Searches for heavy ZZ and ZW resonances in the $\gamma\gamma$ , $q\bar{q}$ and $\gamma\gamma/2q\bar{q}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
344	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.	3.9	29
345	Production of excited charm and charm-strange mesons at HERA. European Physical Journal C, 2009, 60, 25-45.	3.9	28
346	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. European Physical Journal C, 2009, 61, 223-235.	3.9	28
347	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.	4.7	28
348	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	3.9	28
349	Measurement of $WW/WZ \rightarrow \ell\ell u\bar{q}q'$ and $WW/WZ \rightarrow \ell\ell \gamma\gamma$ 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.	3.9	28
350	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	28
351	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.	4.7	28
352	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.	3.9	28
353	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.	3.9	28
354	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.	3.9	28
355	Dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 1, 109.	3.9	27
356	Study of the effective transverse momentum of partons in the proton using prompt photons in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 511, 19-32.	4.1	27
357	Deep inelastic inclusive and diffractive scattering at $\sqrt{s}=200$ GeV with the ZEUS forward plug calorimeter. Nuclear Physics B, 2008, 800, 1-76.	2.5	27
358	Inclusive dijet cross sections in neutral-current deep inelastic scattering at HERA. European Physical Journal C, 2010, 70, 965-982.	3.9	27
359	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.	3.9	27
360	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.	4.7	27



#	ARTICLE	IF	CITATIONS
361	Measurements of top-quark pair differential cross-sections in the $e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	3.9	27
362	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.	3.9	27
363	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.	4.7	27
364	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\bar{l}$ , lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
365	Measurement of $\hat{s}$ from jet rates in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 363, 201-216.	4.1	26
366	Inclusive jet cross sections and dijet correlations in photoproduction at HERA. Nuclear Physics B, 2005, 729, 492-525.	2.5	26
367	Event shapes in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 767, 1-28.	2.5	26
368	Measurements of electroweak $W^+W^-$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	3.9	26
369	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $ell^+ell^-bb$ and $ell^+ell^-WW$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	26
370	Observation of isolated high-ET photons in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 413, 201-216.	4.1	25
371	Event shape analysis of deep inelastic scattering events with a large rapidity gap at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 421, 368-384.	4.1	25
372	Scaling violations and determination of $\hat{s}$ from jet production in $\bar{p}p$ interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 560, 7-23.	4.1	25
373	A search for $\sigma_{\text{resonances}}$ 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.	3.9	25
374	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.	3.9	25
375	Search for first-generation leptoquarks at HERA. Physical Review D, 2012, 86, .	4.7	25
376	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.	4.7	25
377	Determination of the top-quark pole mass using $t\bar{t} + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
378	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.	4.7	25

#	ARTICLE	IF	CITATIONS
379	Search for triboson $W^{\pm}W^{\pm}W^{\mp}$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
380	Operation and performance of the ATLAS Tile Calorimeter in Run1. European Physical Journal C, 2018, 78, 987.	3.9	25
381	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.	3.9	25
382	Measurement of prompt photons with associated jets in photoproduction at HERA. European Physical Journal C, 2007, 49, 511-522.	3.9	24
383	Inclusive jet cross sections in NC DIS at HERA and a comparison of the $k_T$ and $T$ algorithms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 443, 394-408.	4.1	24
384	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.	3.9	24
385	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2016, 76, 517.	3.9	24
386	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.	3.9	24
387	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.	3.9	24
388	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
389	Diffraction dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 5, 41.	3.9	24
390	Measurement of three-jet distributions in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 443, 394-408.	4.1	23
391	High-mass dijet cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 531, 9-27.	4.1	23
392	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. European Physical Journal C, 2010, 70, 875-916.	3.9	23
393	Measurement of charm fragmentation fractions in photoproduction at HERA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	23
394	A measurement of the ratio of the production cross sections for $W^+W^-$ and $ZZ$ bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	3.9	23
395	Measurement of the underlying event in jet events from 7 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	3.9	23
396	A search for high-mass resonances decaying to $\tilde{l}, \tilde{l}^*, \tilde{\chi}^0$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23

#	ARTICLE	IF	CITATIONS
397	Measurement of three-jet production cross-sections in $pp$ collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
398	Search for new phenomena in different-flavour high-mass dilepton final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	3.9	23
399	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
400	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. Journal of High Energy Physics, 2021, 2021, 1.	4.7	23
401	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
402	Hadronic energy distributions in deep-inelastic electron-proton scattering. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 231-242.	1.5	22
403	Neutral strange particle production in deep inelastic scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 68, 29-42.	1.5	22
404	Observation of isolated high-ET photons in deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 86-100.	4.1	22
405	Search for pentaquarks decaying to $\Lambda^0 \pi$ in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 610, 212-224.	4.1	22
406	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.	3.9	22
407	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.	3.9	22
408	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.	4.7	22
409	Measurement of the $t\bar{t} \rightarrow W^+ W^-$ and $t\bar{t} \rightarrow Z Z$ production cross sections in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
410	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow W W^* \rightarrow 4\ell$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
411	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
412	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	3.9	22
413	Measurements of top-quark pair spin correlations in the $e^+e^-$ channel at $\sqrt{s} = 13$ TeV using $pp$ collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	22
414	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.	4.7	22



#	ARTICLE	IF	CITATIONS
415	W production and the search for events with an isolated high-energy lepton and missing transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 471, 411-428.	4.1	21
416	Dijet angular distributions in photoproduction of charm at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 87-101.	4.1	21
417	Forward jet production in deep inelastic ep scattering and low-x parton dynamics at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 13-26.	4.1	21
418	Measurement of $\tilde{\Gamma}_\mu$ , polarization in $W \rightarrow \tilde{\Gamma}_\mu, \tilde{\Gamma}_\mu/2$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2062.	3.9	21
419	Measurement of the production cross-section of $\tilde{\Gamma}(2S) \rightarrow J/\psi(\tilde{\Gamma}_\mu/4 + \tilde{\Gamma}_\mu/4) \tilde{\Gamma} + \tilde{\Gamma} \tilde{\Gamma}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
420	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu \mu W W \rightarrow \tilde{\Gamma}_\mu \tilde{\Gamma}_\mu/4 \tilde{\Gamma}_\mu/4$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21
421	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	3.9	21
422	Search for the Standard Model Higgs boson decaying into $b \bar{b} \tilde{\Gamma} \tilde{\Gamma}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
423	Search for Higgs boson pair production in the $WW(*)WW(*)$ decay channel using ATLAS data recorded at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	4.7	21
424	Inclusive transverse momentum distributions of charged particles in diffractive and non-diffractive photoproduction at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 227-237.	1.5	20
425	Measurement of dijet cross sections for events with a leading neutron in photoproduction at HERA. Nuclear Physics B, 2001, 596, 3-29.	2.5	20
426	Three- and four-jet final states in photoproduction at HERA. Nuclear Physics B, 2008, 792, 1-47.	2.5	20
427	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
428	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
429	Measurements of top quark spin observables in $t \bar{t} \tilde{\Gamma} \tilde{\Gamma}$ events using dilepton final states in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
430	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13 \text{ TeV}$ with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
431	Study of charged current interactions at $Q^2 > 200 \text{ GeV}^2$ with the ZEUS detector at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 47-64.	1.5	19
432	Differential cross sections of photoproduction in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 401, 192-206.	4.1	19

#	ARTICLE	IF	CITATIONS
433	Measurement of open beauty production at HERA in the $D^*\frac{1}{4}$ final state. European Physical Journal C, 2007, 50, 299-314.	3.9	19
434	Measurement of beauty production in DIS and extraction at ÅZEUS. European Physical Journal C, 2010, 69, 347-360.	3.9	19
435	Search for charged Higgs bosons through the violation of lepton universality in $\overline{t} \rightarrow e \frac{1}{4}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
436	Measurement of k T splitting scales in $W\frac{1}{2}$ events at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
437	Search for flavour-changing neutral current top quark decays $t \rightarrow H q$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
438	Addendum to "Measurement of the $t\bar{t} \rightarrow e \frac{1}{4}$ production cross-section using $b$ -tagged jets in pp collisions at $\sqrt{s}=7$ and $8 \text{ TeV}$ with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	3.9	19
439	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.	4.7	19
440	Probing lepton flavour violation via neutrinoless $\nu\bar{\nu} \rightarrow 3\mu$ , $\nu\bar{\nu} \rightarrow 3 \frac{1}{4}$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	3.9	19
441	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\nu\bar{\nu} \rightarrow p p$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
442	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
443	Search for top-quark decays $t \rightarrow H q$ with $36 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19
444	Search for squarks and gluinos in final states with same-sign leptons and jets using $139 \text{ fb}^{-1}$ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
445	Measurement of light-by-light scattering and search for axion-like particles with $2.2 \text{ nb}^{-1}$ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	19
446	Measurement of (anti)deuteron and (anti)proton production in DIS at HERA. Nuclear Physics B, 2007, 786, 181-205.	2.5	18
447	Search for stop production in R-parity-violating supersymmetry at HERA. European Physical Journal C, 2007, 50, 269.	3.9	18
448	Diffraction photoproduction of $D^*(2010)$ at HERA. European Physical Journal C, 2007, 51, 301-315.	3.9	18
449	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
450	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.	3.9	18

#	ARTICLE	IF	CITATIONS
451	Measurement of high- $Q^2$ neutral current deep inelastic scattering cross sections with a longitudinally polarized positron beam at HERA. Physical Review D, 2013, 87, 1.	4.7	18
452	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.	4.7	18
453	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.	4.7	18
454	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.	3.9	18
455	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.	4.7	18
456	The Q2 dependence of dijet cross sections in $\hat{p}p$ interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 37-52.	4.1	17
457	Measurement of high- $Q^2$ neutral current deep inelastic scattering cross sections with a longitudinally polarized positron beam at HERA. Physical Review D, 2013, 87, 1.	4.1	17
458	Multijet production at low $Q^2$ in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 786, 152-180.	2.5	17
459	Measurement of $K_0^* S_1$ and $\Lambda(1520)$ production at HERA. European Physical Journal C, 2007, 51, 1-23.	3.9	17
460	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	3.9	17
461	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.	4.7	17
462	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.	4.7	17
463	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $s = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
464	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.	3.9	17
465	Identification of high transverse momentum top quarks in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
466	Probing the $Wtb$ vertex structure in t-channel single-top-quark production and decay in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
467	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.	4.7	17
468	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
469	Direct top-quark decay width measurement in the $t\bar{t} \rightarrow \text{lepton} + \text{jets}$ channel at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
470	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
471	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
472	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
473	Search for the $HH \rightarrow \gamma\gamma$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
474	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	17
475	Measurement of the $E_T(\text{jet}_2)/Q_2$ dependence of forward-jet production at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 223-233.	4.1	16
476	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	16
477	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
478	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
479	Top-quark mass measurement in the all-hadronic $t\bar{t} \rightarrow \text{hadrons}$ decay channel at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
480	Measurement of colour flow using jet-pull observables in $t\bar{t} \rightarrow \text{hadrons}$ events with the ATLAS experiment at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2018, 78, 847.	3.9	16
481	Search for exclusive Higgs and Z boson decays to $\tilde{t}\tilde{t}^*$ and $\tilde{t}\tilde{t}^* \rightarrow \gamma\gamma$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
482	Measurement of differential cross sections and $W^+W^-$ cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
483	Photoproduction of $D_s^{\pm} - \bar{D}_s^{\pm}$ mesons associated with a leading neutron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 143-160.	4.1	15
484	Study of the pion trajectory in the photoproduction of leading neutrons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 610, 199-211.	4.1	15
485	Precision measurements of $\hat{\sigma}_{\text{had}}^{\text{had}}(\sqrt{s})$ at HERA. Journal of Physics: Conference Series, 2008, 110, 022013.	0.4	15
486	Search for diphoton events with large missing transverse energy with $36 \text{ pb}^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	15

#	ARTICLE	IF	CITATIONS
487	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.	4.7	15
488	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	15
489	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.	4.7	15
490	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.	3.9	15
491	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.	2.9	15
492	Measurement of event-shape observables in $Z \rightarrow \ell^+ \ell^-$ events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	3.9	15
493	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \ell^+ \ell^- \ell^+ \ell^-$ with the ATLAS detector at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
494	Search for strong gravity in multijet final states produced in pp collisions at $s = 13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
495	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.	4.7	15
496	Search for scalar resonances decaying into $\ell^+ \ell^-$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
497	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	3.9	15
498	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	15
499	High-ET dijet photoproduction at HERA. Physical Review D, 2007, 76, .	4.7	14
500	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.	3.9	14
501	Measurement of the $\tau$ dependence in exclusive photoproduction of $\mu^+ \mu^-$ pairs. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" overflow="scroll"><math>\sqrt{s}</math> 0.784314 TeV. <a href="https://arxiv.org/abs/1703.09310">https://arxiv.org/abs/1703.09310</a>	4.1	14
502	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $s = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
503	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.	4.7	14
504	Measurement of charged-particle distributions sensitive to the underlying event in $s = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14



#	ARTICLE	IF	CITATIONS
505	Studies of $Z\bar{t}^3$ production in association with a high-mass dijet system in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
506	Measurement of $VH, \mathcal{H} \rightarrow \mathcal{B} \overline{\mathcal{B}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
507	Measurements of inclusive and differential fiducial cross-sections of $\gamma^* \rightarrow \ell^+ \ell^-$ production in leptonic final states at $\sqrt{s} = 13 \text{ TeV}$ in ATLAS. European Physical Journal C, 2019, 79, 1.	3.9	14
508	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
509	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 1.	3.9	14
510	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
511	Search for $\overline{t}t$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
512	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13 \text{ TeV}$ collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	14
513	Substructure dependence of jet cross sections at HERA and determination of. Nuclear Physics B, 2004, 700, 3-50.	2.5	13
514	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. European Physical Journal C, 2007, 51, 289-299.	3.9	13
515	Measurement of beauty production in deep inelastic scattering at HERA using decays into electrons. European Physical Journal C, 2011, 71, 1.	3.9	13
516	Measurement of heavy-quark jet photoproduction at HERA. European Physical Journal C, 2011, 71, 1.	3.9	13
517	Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
518	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	13
519	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.	3.9	13
520	Search for lepton flavour violation in the $e\bar{\nu}_\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	3.9	13
521	Production of the excited charm mesons and at HERA. Nuclear Physics B, 2013, 866, 229-254.	2.5	13
522	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7 \text{ TeV}$ pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	3.9	13

#	ARTICLE	IF	CITATIONS
523	Measurement of the CP-violating phase $\arg(\Gamma_{12}/\Gamma_{11})$ and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \pi^0 \pi^0$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
524	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.	4.7	13
525	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.	4.7	13
526	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.	4.7	13
527	Search for new phenomena in high-mass final states with a photon and a jet from $pp \rightarrow \gamma + \text{jet}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.	3.9	13
528	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.	4.7	13
529	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.	3.9	13
530	Multiplicity moments in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 510, 36-54.	4.1	12
531	Search for resonance decays to $\Lambda^{1/2} + \text{jet}$ in $ep$ scattering at DESY HERA. Physical Review D, 2001, 63, .	4.7	12
532	Study of the azimuthal asymmetry of jets in neutral current deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 226-240.	4.1	12
533	Forward-jet production in deep inelastic $ep$ scattering at HERA. European Physical Journal C, 2007, 52, 515-530.	3.9	12
534	Beauty photoproduction using decays into electrons at HERA. Physical Review D, 2008, 78, .	4.7	12
535	Measurement of $J/\psi$ photoproduction at large momentum transfer at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	12
536	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.	4.7	12
537	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in $20 \text{ fb}^{-1}$ of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
538	Measurement of the $b\bar{b}$ dijet cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	3.9	12
539	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
540	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12

#	ARTICLE	IF	CITATIONS
541	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.	4.7	12
542	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.	3.9	12
543	Search for supersymmetry in events with four or more charged leptons in $139 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
544	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.	3.9	12
545	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.	4.7	12
546	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
547	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.	3.9	12
548	Observation of scaling violations in scaled momentum distributions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 428-443.	4.1	11
549	Isolated tau leptons in events with large missing transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 41-58.	4.1	11
550	Measurement of $W^{\pm}Z$ and $Z^0Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	11
551	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.	4.7	11
552	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.	1.2	11
553	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.	3.9	11
554	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.	3.9	11
555	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.	4.7	11
556	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.	4.7	11
557	Measurement of diffractive production of $D^{\pm} \rightarrow \Lambda^{\pm}(1010)$ mesons in deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 545, 244-260.	4.1	10
558	Bose–Einstein correlations in one and two dimensions in deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 231-246.	4.1	10



#	ARTICLE	IF	CITATIONS
559	Bose-Einstein correlations of charged and neutral kaons in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 652, 1-12.	4.1	10
560	Photoproduction of events with rapidity gaps between jets at HERA. European Physical Journal C, 2007, 50, 283-297.	3.9	10
561	Search for events with an isolated lepton and missing transverse momentum and a measurement of W production at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 106-115.	4.1	10
562	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.	4.7	10
563	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.	4.7	10
564	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.	3.9	10
565	Measurement of the $Z\gamma \rightarrow u\bar{u}\gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
566	Measurement of the inclusive and fiducial $t\bar{t}t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
567	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W^{\pm}$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
568	Measurement of the $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
569	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. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
570	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
571	Three-jet production in diffractive deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 516, 273-292.	4.1	9
572	Inclusive $K_S^0$ production in $ep$ collisions at HERA. Physical Review Letters, 2008, 101, 112003.	7.8	9
573	Measurement of isolated photons accompanied by jets in deep inelastic ep scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 88-97.	4.1	9
574	The ATLAS EventIndex: architecture, design choices, deployment and first operation experience. Journal of Physics: Conference Series, 2015, 664, 042003.	0.4	9
575	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	3.9	9
576	Measurement of the $t\bar{t}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9

#	ARTICLE	IF	CITATIONS
577	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.	4.7	9
578	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV using the ZZ $\rightarrow \gamma\gamma$ , $\gamma Z$ , $\gamma\gamma$ , $\gamma Z$ and ZZ $\rightarrow \gamma\gamma$ , $\gamma Z$ , $\gamma\gamma$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
579	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.	4.7	9
580	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	9
581	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.	3.9	9
582	Observation of K <sub>s</sub> K <sub>s</sub> resonances in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 578, 33-44.	4.1	8
583	Precision Measurements of $\Gamma_{\pm}$ at HERA. AIP Conference Proceedings, 2005, , .	0.4	8
584	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
585	Measurement of $D^*\Lambda_{\pm}$ production in deep inelastic scattering at HERA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	8
586	Measurement of $D^*\Lambda_{\pm}$ production in deep inelastic ep scattering with the ZEUS detector at HERA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	8
587	Measurement of the relative width difference of the $B^0 \rightarrow B^0 \gamma$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
588	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.	4.7	8
589	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.	4.7	8
590	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.	4.7	8
591	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.	4.7	8
592	Measurement of $W^{\pm}W^{\pm}$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	8
593	Measurements of $W+W^{\pm} + \text{jet}$ production cross-sections in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
594	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.	4.7	8

#	ARTICLE	IF	CITATIONS
595	Reconstruction and identification of boosted di- $\tilde{l}$ , 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.	4.7	8
596	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 13 TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	3.9	8
597	Diffraction dijet cross sections in photoproduction at HERA. European Physical Journal C, 1998, 5, 41-56.	3.9	7
598	Properties of hadronic final states in diffractive deep inelastic scattering at DESY HERA. Physical Review D, 2002, 65, .	4.7	7
599	Observation of the strange sea in the proton via inclusive $\tilde{l}^+\tilde{l}^-$ -meson production in neutral current deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 141-158.	4.1	7
600	Measurement of meson production in scattering at low. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 649, 111-121.	4.1	7
601	Multi-lepton production at high transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 13-23.	4.1	7
602	Subjet distributions in deep inelastic scattering at HERA. European Physical Journal C, 2009, 63, 527-548.	3.9	7
603	Measurement of dijet photoproduction for events with a leading neutron at HERA. Nuclear Physics B, 2010, 827, 1-33.	2.5	7
604	Exclusive electroproduction of two pions at HERA. European Physical Journal C, 2012, 72, 1.	3.9	7
605	Measurement of inelastic $J/\psi$ and $\Upsilon$ photoproduction at HERA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
606	Measurement of $\sigma_{\text{au}} \sigma_{\text{l}}^{\text{polarisation}}$ in $\sigma_{\text{Z}/\gamma^*} \rightarrow \text{au au } \sigma_{\text{Z}/\gamma^*}^3$ . European Physical Journal C, 2018, 78, 163.	3.9	7
607	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13 \text{ TeV}$ proton-proton collision data. European Physical Journal C, 2021, 81, 1.	3.9	7
608	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
609	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	7
610	Jet production in high $Q^2$ deep-inelastic ep scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 81-92.	1.5	6
611	Search for lepton-flavor violation in e+pcollisions at DESY HERA. Physical Review D, 2002, 65, .	4.7	6
612	Multijet cross sections in charged current $e^{\pm}$ scattering at HERA. Physical Review D, 2008, 78, .	4.7	6

#	ARTICLE	IF	CITATIONS
613	Measurement of the energy dependence of the total photon-proton cross section at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 184-193.	4.1	6
614	Production of $\gamma\gamma \rightarrow \mu^+\mu^-$ at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 184-193.	4.1	6
615	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.	4.7	6
616	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.	4.7	6
617	Performance of the ATLAS Level-1 topological trigger in Run-2. European Physical Journal C, 2022, 82, 1.	3.9	6
618	Search for selectron and squark production in e+p collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 214-230.	4.1	5
619	Measurement of $D^0$ and $\bar{D}^0$ production in deep inelastic scattering at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	5
620	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.	4.7	5
621	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.	3.9	5
622	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	3.9	5
623	Measurement of neutral current cross sections at high Bjorken-x with the ZEUS detector at HERA. European Physical Journal C, 2007, 49, 523-544.	3.9	4
624	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
625	Measurement of jet activity in top quark events using the $e^+e^- \rightarrow t\bar{t}$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
626	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
627	Study of charged-current $\nu p$ interactions at $Q^2 > 200, \{m \text{ GeV}\}^2$ with the ZEUS detector at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 47-64.	1.5	4
628	Search for top squarks in events with a Higgs or Z boson using 139 fb $^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	4
629	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu$ events in Run-2 data. European Physical Journal C, 2022, 82, 1.	3.9	4
630	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
631	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
632	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.	4.7	3
633	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.	3.9	3
634	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.	3.9	3
635	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
636	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. , 2015, 75, 1.		3
637	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. , 2015, 75, 1.		3
638	Measurement of b-quark fragmentation properties in jets using the decay $B^{\pm} \rightarrow \tau^+ \tau^- K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
639	Angular correlations in three-jet events in ep collisions at HERA. Physical Review D, 2012, 85, .	4.7	2
640	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.	2.9	2
641	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
642	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	3.9	2
643	Summary of the Hadronic Final State Working Group. AIP Conference Proceedings, 2005, , .	0.4	1
644	Study of tau pair production at HERA. Journal of High Energy Physics, 2011, 2011, 1.	4.7	1
645	Scaled momentum distributions for $K_S^0$ and $\Lambda$ in DIS at HERA. Journal of High Energy Physics, 2012, 2012, 1.	4.7	1
646	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 with the ATLAS detector. , 2016, 76, 1.		1
647	Inclusive hard processes in $\bar{p}p$ and $p\bar{p}$ interactions. Nuclear Physics, Section B, Proceedings Supplements, 2000, 82, 77-85.	0.4	0
648	Jet substructure at HERA. AIP Conference Proceedings, 2001, , .	0.4	0

#	ARTICLE	IF	CITATIONS
649	The structure of the virtual photon. AIP Conference Proceedings, 2001, , .	0.4	0
650	Jet substructure at HERA. Nuclear Physics, Section B, Proceedings Supplements, 2009, 191, 121-130.	0.4	0
651	Recent QCD results from ATLAS. EPJ Web of Conferences, 2014, 71, 00049.	0.3	0
652	JET PRODUCTION IN DEEP INELASTIC $\langle i \rangle ep \langle /i \rangle$ SCATTERING AT HERA. , 2004, , .		0
653	Event and jet shapes at HERA. , 2007, , .		0
654	Study of jet production and subjet distributions in deep inelastic scattering at HERA. , 2010, , .		0
655	QCD and final states in DIS and hadron colliders: WG summary. , 2010, , .		0
656	Jet cross sections in NC DIS at ZEUS and determination of alphas. , 2010, , .		0
657	Jet physics at HERA. , 2011, , .		0
658	WG4 Highlights - HFS and Precision QCD. , 2013, , .		0
659	JET CROSS SECTIONS AND JET SHAPES IN PHOTOPRODUCTION AT HERA. , 1998, , .		0