

Liang Li

List of Publications by Year in descending order

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Version: 2024-02-01

621
papers

26,809
citations

8755

75
h-index

16650

123
g-index

633
all docs

633
docs citations

633
times ranked

11006
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Positive Muon Anomalous Magnetic Moment to 0.46 ppm. Physical Review Letters, 2021, 126, 141801.	7.8	991
2	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
3	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
4	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
5	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
6	FERMI-LAT OBSERVATIONS OF HIGH-ENERGY γ -RAY EMISSION TOWARD THE GALACTIC CENTER. Astrophysical Journal, 2016, 819, 44.	4.5	301
7	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
8	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
9	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
10	Measurement of J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	238
11	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
12	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	7.8	219
13	Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
14	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	3.9	213
15	Observation of $t\bar{t}H$ production. Physical Review Letters, 2016, 120, 231801.	7.8	209
16	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
17	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
18	Forward-backward asymmetry in top quark-antiquark production. Physical Review D, 2011, 84, .	4.7	188

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19	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 903.	3.9	181
20	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
21	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
22	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
23	Measurement of the transverse momentum and $\phi_{\ell\ell}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
24	Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	153
25	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2016, 793, 530-551.	4.7	146
26	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
27	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
28	Precision measurement and interpretation of inclusive W^+W^- production in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 367.	3.9	145
29	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	144
30	Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b -tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
31	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
32	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
33	Evidence for a B_s resonance in $B \rightarrow D^* \mu^+ \mu^-$ decays. Physical Review Letters, 2016, 117, 022003.	4.7	132
34	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
35	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $s = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Evidence for an anomalous like-sign dimuon charge asymmetry. Physical Review D, 2010, 82, .	4.7	127
39	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
40	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
41	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	116
42	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
43	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	3.9	115
44	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
45	Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry. Physical Review Letters, 2010, 105, 081801.	7.8	108
46	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
47	Search for heavy resonances decaying into WW in the $e\mu u$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
48	Search for a dark photon in the $W \rightarrow \mu \nu$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 187-193.	4.7	105
49	Measurement of the anomalous precession frequency of the muon in the Fermilab Muon $g-2$ Experiment. Physical Review D, 2021, 103, .	4.7	105
50	Measurement of the W Boson Mass with the D0 Detector. Physical Review Letters, 2012, 108, 151804.	7.8	104
51	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101
52	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	3.9	95
53	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	3.9	95
54	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93

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55	b-Jet identification in the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 490-517.	1.6	92
56	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
57	Measurement of the anomalous like-sign diboson charge asymmetry with $\frac{d\sigma(\text{like-sign})}{d\sigma(\text{unlike-sign})} \approx \frac{d\sigma(\text{like-sign})}{d\sigma(\text{unlike-sign})} \frac{d\sigma(\text{unlike-sign})}{d\sigma(\text{like-sign})}$	4.7	91
58	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
59	Search for the $b\bar{b}\bar{b}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
60	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
61	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics Letters, Section B: Nuclear, Elementary Particle and Hadronic Physics, 2017, 359, 1-12.	4.1	87
62	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	3.9	86
63	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
64	Measurement of $\Upsilon(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100.	3.9	83
65	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
66	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
67	Search for the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	4.7	81
68	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81
69	Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80
70	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
71	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
72	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	3.9	79

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73	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
74	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.	3.9	78
75	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
76	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
77	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	77
78	Measurement of the $C\!-\!P$ -violating phase $\arg(-i\lambda_{cb})$ in the flavor-tagged decay $B^0 \rightarrow D^+ \pi^-$. Physical Review D, 2012, 85, .	4.7	75
79	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75
80	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
81	Search for resonant diboson production in the $q\bar{q} \rightarrow \gamma\gamma$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
82	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
83	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
84	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
85	Inclusive W and Z production in the forward region at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	71
86	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
87	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
88	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
89	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
90	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

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91	Searches for physics beyond the standard model with the T_2 variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
92	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \nu_\tau$ 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
93	Performance of reconstruction and identification of τ , leptons decaying to hadrons and ν_τ in pp collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P10005-P10005.	1.2	69
94	Measurements of the Higgs boson width and anomalous $H \rightarrow VV$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, .	4.7	69
95	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ s NN = 2.76 ÅTeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
96	Measurement of the $t \bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	3.9	68
97	Search for the rare decay $B \rightarrow s \gamma$. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	4.1	67
98	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
99	Search for direct pair production of a chargino and a neutralino decaying to the 125 ÅGeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67
100	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
101	A search for $t \bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
102	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
103	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	4.7	64
104	Measurement of the forward-backward asymmetry in top quark-antiquark production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	4.7	64
105	Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	3.9	64
106	Evidence for the $H \rightarrow b \bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
107	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
108	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 7$ and 8 ÅTeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63

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109	Transverse Momentum Distribution in $Z \rightarrow \tau^+ \tau^-$ Collisions Using a Novel Technique. Physical Review Letters, 2011, 106, 122001.	7.8	62
110	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
111	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
112	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
113	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
114	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
115	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
116	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb^{-1} of $\sqrt{s} = 8$ TeV collisions at the ATLAS detector. European Physical Journal C, 2015, 75, 263.	4.1	60
117	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
118	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
119	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} \rightarrow b\bar{b} \gamma$, $u\bar{u} \rightarrow b\bar{b} \gamma$, $u\bar{u} \rightarrow b\bar{b} \gamma$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
120	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
121	Determination of the pole and \overline{MS} masses of the top quark from the $t\bar{t}$ cross section. Measurement of the differential cross section $d\sigma/d\ln Q^2$ for $t\bar{t}$ production at the ATLAS detector. European Physical Journal C, 2018, 78, 142.	4.1	59
122	Elastic scattering of $t\bar{t}$ pairs. Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	4.7	59
123	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	3.9	59
124	Observation and studies of double J/ψ production at the Tevatron. Physical Review D, 2014, 90, .	4.7	58
125	Improved determination of the width of the top quark. Physical Review D, 2012, 85, .	4.7	56
126	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

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127	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at $\sqrt{s}=8$ TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
128	Bounds on an Anomalous Dijet Resonance in W +jets Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 011804.	7.8	55
129	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
130	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
131	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
132	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
133	Magnetic-field measurement and analysis for the Muon $g-2$ Experiment at Fermilab. Physical Review A, 2021, 103, .	3.9	54
134	Search for Higgs boson pair production in the $\gamma\gamma WW^* \rightarrow \gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53
135	Search for lepton-flavour-violating $H \rightarrow \tau\mu$, decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
136	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
137	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
138	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a Z^{\prime} boson in the $\text{au au } l, \bar{l}$, 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
139	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
140	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2017, 77, 379.	3.9	51
141	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
142	Evidence for Spin Correlation in $t\bar{t}$ Production. Physical Review Letters, 2012, 108, 032004.	7.8	50
143	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
144	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

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145	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at. European Physical Journal C, 2018, 78, 401.	3.9	50
146	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 241802.	7.8	50
147	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13 \text{ TeV}$. European Physical Journal C, 2019, 79, 564.	3.9	50
148	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
149	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13 \text{ TeV}$ pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	49
150	Determination of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 241802.	4.7	48
151	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of pp collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 241802.	4.1	48
152	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb^{-1} of pp collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 241802.	4.1	48
153	Measurement of the top quark pair production cross section in the dilepton channel in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	4.1	48
154	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	4.7	48
155	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
156	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
157	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s}=13 \text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	48
158	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity pp Collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 082301.	7.8	48
159	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 364.	3.9	48
160	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
161	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 361.	3.9	47
162	Measurement of the normalized transverse momentum distribution in pp collisions at $\sqrt{s}=13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 522-530.	4.1	46

#	ARTICLE	IF	CITATIONS
163	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
164	Study of the rare decays of B^0_s and 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
165	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\mu$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
166	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
167	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
168	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s}=8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
169	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
170	Search for supersymmetry at $\sqrt{s}=8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
171	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
172	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
173	Search for resonances with left- and right-handed couplings to fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 145-150.	4.1	44
174	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	44
175	Measurements of properties of the Higgs boson decaying to a W -boson pair in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.1	44
176	Precision Measurement of the Top Quark Mass in pp Collisions with the ATLAS Detector. Physical Review Letters, 2016, 116, 102001.	7.8	43
177	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
178	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	3.9	43
179	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	3.9	43
180	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two \bar{l} , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 462-488.	4.1	43

#	ARTICLE	IF	CITATIONS
181	Independent measurement of t-channel single top quark production in $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.1	42
182	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
183	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	3.9	42
184	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
185	Precision Measurement of the Ratio $B(\tau \rightarrow Wb)/B(\tau \rightarrow Wq)$ and Extraction of V_{tb} . Physical Review Letters, 2011, 107, 121802.	7.8	41
186	Measurement of the semileptonic charge asymmetry in B meson mixing with the D0 detector. Physical Review D, 2012, 86, .	4.7	41
187	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
188	Inclusive Production of the X bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	7.8	41
189	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	3.9	41
190	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 $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41
191	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423.	4.1	41
192	Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	41
193	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	3.9	40
194	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
195	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s}=7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
196	Evidence for Simultaneous Production of $\tilde{\chi}^0$ and $\tilde{\chi}^{\pm}$ Mesons. Physical Review Letters, 2016, 116, 082002.	7.8	40
197	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
198	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40

#	ARTICLE	IF	CITATIONS
199	Measurements of b-jet tagging efficiency with the ATLAS detector using $\sqrt{s}=13$ TeV events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
200	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
201	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	3.9	40
202	Search for scalar bottom quarks and third-generation leptoquarks in $pp \rightarrow b\bar{b} + \text{jets}$ collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.1	39
203	Measurement of the electron charge asymmetry in $pp \rightarrow \mu^+\mu^- + \text{jets}$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 313.	4.7	39
204	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.	4.7	39
205	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
206	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	4.7	39
207	Determination of $\hat{\Gamma}_s$ from energy-energy correlations measured on the Z0 resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 469-478.	4.1	38
208	Observation of a narrow mass state decaying into $\Upsilon(1S) + \mu^+\mu^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, .	4.7	38
209	Measurement of angular correlations of jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.1	38
210	Measurement of the Semileptonic Charge Asymmetry using $B_s \rightarrow D_s^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2013, 110, 011801.	7.8	38
211	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
212	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
213	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
214	Production and the Structure of the Yukawa. 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.	7.8	38
215	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

#	ARTICLE	IF	CITATIONS
217	Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	2.9	37
218	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
219	Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
220	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
221	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb $^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	37
222	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
223	Studies of an array of PbF $_2$ Cherenkov crystals with large-area SiPM readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 783, 12-21.	1.6	36
224	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	3.9	36
225	Search for pair production of heavy vector-like quarks decaying to high- p_T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
226	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	4.1	36
227	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	36
228	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	36
229	Data from the ATLAS experiment. Physical Review Letters, 2010, 104, 151801.	7.8	35
230	Measurement of the W boson helicity in top quark decays using 5.4 fb $^{-1}$ of pp collision data. Physical Review D, 2011, 83, .	4.7	35
231	Precise measurement of the top-quark mass from measurements of inclusive lepton+jets events at 80.1 fb $^{-1}$. Physical Review D, 2011, 84, .	4.7	35
232	Measurements of the top-quark mass from W production rates as a function of jet transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	4.1	35
233	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	4.1	35
234	Evidence for s -channel single top quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	4.1	35

#	ARTICLE	IF	CITATIONS
235	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 $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
236	Search for $W \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
237	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ using 4.5 fb ⁻¹ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
238	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
239	Search for Higgs Boson Production in Dilepton and Missing Energy Final States with $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2010, 104, 061804.	7.8	34
240	Measurement of spin correlation in $W \rightarrow tb \rightarrow qqbb$ production using dilepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 16-23.	4.1	34
241	Measurement of Spin Correlation in $W \rightarrow tb \rightarrow qqbb$ Production Using a Matrix Element Approach. Physical Review Letters, 2011, 107, 091801.	7.8	34
242	Measurement of the asymmetry in angular distributions of leptons produced in dilepton final states in $W \rightarrow tb \rightarrow qqbb$ collisions. Physical Review D, 2014, 89, 012004.	4.7	34
243	Measurement of the asymmetry in angular distributions of leptons produced in dilepton final states in $W \rightarrow tb \rightarrow qqbb$ collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review D, 2019, 100, 012004.	4.7	34
244	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 90.	3.9	34
245	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review D, 2019, 100, 012004.	4.7	34
246	Measurements of top-quark pair differential and double-differential cross-sections in the W +jets channel with pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	34
247	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 $\sqrt{s} = 13 \text{ TeV}$. Dependence of the W boson polarization on the production process. Physical Review D, 2014, 89, 012004.	3.9	34
248	Determination of the Width of the Top Quark. Physical Review Letters, 2011, 106, 022001.	4.1	33
249	Determination of the Width of the Top Quark. Physical Review Letters, 2011, 106, 022001.	7.8	33
250	Anomalous W boson couplings in $W \rightarrow tb \rightarrow qqbb$ production and limits on W couplings. Physical Review D, 2012, 85, 012004.	7.8	33
251	Limits on anomalous trilinear gauge boson couplings from W , WZ and $W\gamma$ production in $W \rightarrow tb \rightarrow qqbb$ collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review D, 2012, 85, 012004.	4.1	33
252	Limits on anomalous trilinear gauge boson couplings from W , WZ and $W\gamma$ production in $W \rightarrow tb \rightarrow qqbb$ collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review D, 2012, 85, 012004.	4.1	33

#	ARTICLE	IF	CITATIONS
271	Search for anomalous quartic $WWWW$ couplings in dilepton and missing energy final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	4.7	31
272	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
273	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
274	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
275	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
276	Search for W resonance production in $\ell\ell$ 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
277	A multi-dimensional search for new heavy resonances decaying to boosted W or Z boson pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	3.9	31
278	Search for a narrow W resonance in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	4.7	30
279	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
280	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
281	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
282	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
283	Searches for the $Z\gamma$ 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
284	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
285	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
286	Evidence for $tt\bar{t}$ 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
287	Measurement of the differential cross sections for isolated direct photon pair production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	4.1	29
288	Measurement of differential $t\bar{t}$ production cross sections in pp collisions. Physical Review D, 2014, 90, .	4.7	29

#	ARTICLE	IF	CITATIONS
289	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
290	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
291	Searches for heavy ZZ and ZW resonances in the $\gamma\gamma$, γq and $\gamma\gamma$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
292	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	3.9	29
293	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
294	Measurement of the WZ and ZZ production cross sections using leptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
295	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
296	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$. European Physical Journal C, 2017, 77, 804.	3.9	28
297	Measurement of $WW/WZ \rightarrow \ell u q \bar{q}'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	3.9	28
298	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
299	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	28
300	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2012, 312, 108.	4.1	28
301	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	28
302	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
303	Search for Doubly Charged Higgs Boson Pair Production in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 407.	7.8	27
304	Search for Doubly Charged Higgs Boson Pair Production in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 407.	7.8	27
305	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
306	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
307	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
308	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
309	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 131-154.	4.1	27
310	Search for pair production of third-generation scalar leptiquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
311	Direct measurement of the invariant mass cross section in e^+e^- collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2010, 105, 221802.	4.1	26
312	Direct measurement of the mass difference between top and antitop quarks. Physical Review D, 2011, 84, 054005.	4.7	26
313	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
314	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the e^+e^- final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	4.7	26
315	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the e^+e^- final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	26
316	Muon reconstruction and identification with the Run II DO detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 281-294.	1.6	25
317	Determination of the top-quark pole mass using $t\bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
318	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
319	Search for triboson $W^+W^-W^+$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
320	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	3.9	25
321	Search for Diphoton Events with Large Missing Transverse Energy in e^+e^- Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 221802.	7.8	24
322	Jet energy scale determination in the DO experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 442-475.	1.6	24
323	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
324	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

#	ARTICLE	IF	CITATIONS
325	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	4.7	24
326	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.	4.7	24
327	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
328	Measurement of $\sin^2 2\beta$ and Z -light quark couplings using the forward-backward charge asymmetry in $pp \rightarrow Z \rightarrow e^+e^-$ events with $L = 5.0$ fb $^{-1}$ at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 84, .	4.7	23
329	Measurement of the $WZ \rightarrow \gamma \gamma$ cross section and limits on anomalous triple gauge couplings in $pp \rightarrow WZ$ collisions at $\sqrt{s} = 1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	4.1	23
330	Precise Measurement of the Top Quark Mass in the Dilepton Channel at D0. Physical Review Letters, 2011, 107, 082004.	7.8	23
331	Search for anomalous top quark couplings with $\sqrt{s} = 1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	4.1	23
332	Measurements of W and WZ Production in W +jets Final States in $pp \rightarrow Z$ Collisions. Physical Review Letters, 2012, 108, 181803.	7.8	23
333	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
334	A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
335	Measurement of three-jet production cross-sections in $pp \rightarrow Z + 3j$ collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
336	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
337	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
338	Evidence for $Z \rightarrow b\bar{b}$ in $pp \rightarrow Z + 3j$ collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2018, 98, .	4.7	23
339	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.	3.9	23
340	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

#	ARTICLE	IF	CITATIONS
343	Evidence for $X(3872)$ in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physical Review Letters, 2022, 128, 032001.	7.8	23
344	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
345	Search for anomalous Wtb couplings in single top-quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
346	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.	4.1	22
347	Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	3.9	22
348	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
349	Measurements of top-quark pair spin correlations in the $t\bar{t}e\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	4.7	22
350	Search for direct pair production of supersymmetric partners to the $\tau^+\tau^-$ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
351	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.	3.9	22
352	Measurement of differential cross sections and charge ratios for t -channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 370.	4.7	22
353	Search for Charged Massive Long-Lived Particles. Physical Review Letters, 2012, 108, 121802.	3.9	22
354	Search for the standard model Higgs boson in the $t\bar{t}Z$ channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	7.8	21
355	Measurement of the forward-backward asymmetry in the distribution of leptons in $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
356	Measurement of the production cross-section of $\tilde{t}(2S) \rightarrow \tilde{t} + \tilde{t}^* + \tilde{t}^* + \tilde{t}$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.1	21
357	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e\mu u\bar{u}WW \rightarrow e\tilde{\nu} + \tilde{\nu}^* + \tilde{\nu}^* + \tilde{\nu}$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	4.7	21
358		4.7	21
359		4.7	21
360		3.9	21

#	ARTICLE	IF	CITATIONS
361	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	3.9	21
362	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
363	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 172-194.	4.1	21
364	Constraints on anomalous $H\gamma$ couplings from the production of Higgs bosons decaying to $V\bar{V}$ couplings from the production of Higgs bosons decaying to $\ell\bar{\ell}$ lepton pairs. Physical Review D, 2019, 100, .	4.7	21
365	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
366	Search for Events with Leptonic Jets and Missing Transverse Energy in $pp\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 211802.	7.8	20
367	Measurement of the production fraction times branching fraction $f_{b\bar{b}}\text{Br}(H\rightarrow b\bar{b})$ in $pp\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 211802.		

#	ARTICLE	IF	CITATIONS
379	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
380	Addendum to "Measurement of the $t\bar{t}$ production cross-section using b -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	3.9	19
381	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
382	Probing lepton flavour violation via neutrinoless $\mu \rightarrow 3e$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	3.9	19
383	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
384	Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
385	Search for MSSM Higgs bosons decaying to $\tau\tau$ in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134992.	4.1	19
386	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
387	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	19
388	Search for pair production of the scalar top quark in the electron+muon final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 321-327.	4.1	18
389	Search for Resonant W and WZ Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 107, 011801.	7.8	18
390	Search for Single Vectorlike Quarks in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 106, 081801.	7.8	18
391	Combined search for the Higgs boson with the D0 experiment. Physical Review D, 2013, 88, .	4.7	18
392	Improved b quark jet identification at the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 290-303.	1.6	18
393	Simultaneous measurement of forward-backward asymmetry and top polarization in dilepton final states from $t\bar{t}$ production at the Tevatron. Physical Review D, 2015, 92, .	4.7	18
394	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
395	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	3.9	18
396	Observation of nuclear modifications in W boson production in pPb collisions at $s_{NN} = 8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048.	4.1	18

#	ARTICLE	IF	CITATIONS
397	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
398	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
399	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
400	Search for $ZH \rightarrow l^+l^-b\bar{b}$ Production in $\sqrt{s} = 1.96$ TeV pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 251801.	7.8	17
401	Search for a Fermiophobic and Standard Model Higgs Boson in Diphoton Final States. Physical Review Letters, 2011, 107, 151801.	7.8	17
402	Measurement of Associated Production of Z Bosons with Charm Quark Jets in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2014, 112, 042001.	7.8	17
403	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
404	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
405	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
406	Probing the Wtb vertex structure in t-channel single-top-quark production and decay in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
407	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
408	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
409	Direct top-quark decay width measurement in the $t \rightarrow t^* \rightarrow l + \text{jets}$ channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
410	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	4.7	17
411	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
412	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
413	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
414	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952.	4.1	17

#	ARTICLE	IF	CITATIONS
415	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
416	Search for the HH \rightarrow $b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
417	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	17
418	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. Physical Review D, 2011, 84, .	4.7	16
419	Search for W associated production in 5.3 fb^{-1} of $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.1	16
420	Search for the Standard Model Higgs Boson in $ZH \rightarrow \tau\tau$ Production with the D0 Detector in 9.7 fb^{-1} of pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 109, 121803.	7.8	16
421	Search for Higgs bosons of the minimal supersymmetric standard model in 36.1 fb^{-1} of $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.1	16
422	Precision measurement of the top-quark mass in 36.1 fb^{-1} of $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review Letters, 2015, 115, 112001.	4.7	16
423	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
424	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
425	Top-quark mass measurement in the all-hadronic $t\bar{t} \rightarrow \text{hadrons}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
426	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	4.7	16
427	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	3.9	16
428	Measurement of differential cross sections and W^+/\bar{W}^+ cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
429	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	3.9	16
430	Measurement of the $t\bar{t}$ cross-section in 36.1 fb^{-1} of $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review Letters, 2015, 115, 112001.	4.1	16
431	Search for the Standard Model Higgs Boson in the $ZH \rightarrow \tau\tau$ Channel in 5.2 fb^{-1} of pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 071801.	7.8	15
432	Measurement of color flow in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 83, .	4.7	15

#	ARTICLE	IF	CITATIONS
433	Measurement of direct CP violation parameters in $B^0 \rightarrow K^{\pm} \pi^{\mp}$ decays with 10.4 fb ⁻¹ of Tevatron data. Physical Review Letters, 2013, 110, 241801.	7.8	15
434	Measurement of event-shape observables in $Z \rightarrow \ell^+ \ell^-$ events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	3.9	15
435	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \ell^+ \ell^- \gamma$ with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
436	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
437	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^{\pm}$, ext {jet} decays. European Physical Journal C, 2021, 81, 1.	3.9	15
438	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
439	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
440	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	15
441	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + b\text{-quark jet}) / \sigma(pp \rightarrow Z + \text{jet})$ at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2011, 83, .	4.7	14
442	Search for the Standard Model Higgs Boson in Associated WH Production in 9.7 fb ⁻¹ of pp Collisions with the D0 Detector. Physical Review Letters, 2012, 109, 121804.	7.8	14
443	Search for Higgs bosons decaying to $\mu^+ \mu^- \gamma$ pairs in $pp \rightarrow Z \rightarrow \mu^+ \mu^- + \text{jet}$ collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2016, 116, 121801.	4.1	14
444	Search for the rare decay $B_s^0 \rightarrow \mu^+ \mu^- \gamma$. Physical Review D, 2013, 87, .	4.7	14
445	Measurement of the ratio of differential cross sections $\sigma(pp \rightarrow Z + b\text{-jet}) / \sigma(pp \rightarrow Z + \text{jet})$ in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2013, 87, .	4.7	14
446	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
447	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
448	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13 \text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
449	Studies of $Z \rightarrow \mu^+ \mu^-$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
450	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2018, 121, 221802.	7.8	14

#	ARTICLE	IF	CITATIONS
451	Measurement of VH , $\mathcal{H} \rightarrow b\bar{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
452	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
453	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
454	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	14
455	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
456	Search for $\overline{t}t$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
457	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	14
458	Measurement of $t\bar{t}$ production in the $1, 2$ -jet topology using pp $t\bar{t}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	4.7	13
459	Measurement of the Z production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	4.7	13
460	Measurement of three-jet differential cross sections in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .	4.1	13
461	Search for associated Higgs boson production using like charge dilepton events in pp $t\bar{t}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .	4.7	13
462	Search for pair production of the scalar top quark in muon+tau final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 578-586.	4.1	13
463	Measurement of the Effective Weak Mixing Angle in $e^+e^- \rightarrow t\bar{t}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2015, 115, 041801.	7.8	13
464	Measurement of the CP-violating phase $\arg(\tilde{t}_1)$ and the $B_s - \bar{B}_s$ meson decay width difference with $B_s - \bar{B}_s$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
465	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
466	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
467	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
468	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.	3.9	13

#	ARTICLE	IF	CITATIONS
469	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	7.8	13
470	Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in $\sqrt{s} = 13$ TeV proton-proton collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136036.	4.7	13
471	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.	4.1	13
472	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	3.9	13
473	Search for New Fermions ($\tilde{\chi}_{\pm}^0$) at the Fermilab Tevatron Collider. Physical Review Letters, 2010, 105, 211803.	4.7	13
474	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs Produced in Association with b Quarks in $\sqrt{s} = 1.96$ TeV $p\bar{p}$ Collisions at the LHC. Physical Review Letters, 2011, 107, 7.8 121801.	7.8	12
475	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb^{-1} of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
476	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
477	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 $p\bar{p}$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
478	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
479	An embedding technique to determine \tilde{t}, \tilde{b} backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	1.2	12
480	Search for Higgs and Z boson decays to J/ψ or Υ pairs in the four-muon final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811.	4.1	12
481	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803.	7.8	12
482	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
483	Constraints on the W boson polarization in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. Physical Review Letters, 2020, 124, 1.	7.8	12
484	Polarizations in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 1.	4.7	12
485	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
486	Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12

#	ARTICLE	IF	CITATIONS
487	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
488	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
489	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
490	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
491	Search for single top quarks in the tau + jets channel using 4.8 fb ⁻¹ of collision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 5-14.	4.1	11
492	Search for the Associated Production of a top Quark and a Neutral Supersymmetric Higgs Boson that Decays into $\tau\tau$. Physical Review Letters, 2010, 104, 151801.	7.8	11
493	Measurement of the combined rapidity and transverse momentum dependence of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. Physical Review Letters, 2010, 104, 151801.	4.1	11
494	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
495	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
496	Measurement of the inclusive production cross section in $\sqrt{s} = 13$ TeV proton-proton collisions using the ATLAS detector. European Physical Journal C, 2016, 76, 683.	4.7	11
497	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
498	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
499	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
500	Search for supersymmetry in events with a photon, jets, n -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444.	3.9	11
501	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
502	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
503	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
504	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 43.	3.9	11

#	ARTICLE	IF	CITATIONS
505	Study of the decay $B_s \rightarrow J/\psi f_2(1525) \pi^+ \pi^- K^+ K^-$ final states. Physical Review D, 2012, 86, .	4.7	10
506	Measurement of the differential cross section of photon plus jet production in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2013, 88.	4.7	10
507	Search for the standard model Higgs boson in the four lepton final state in pp collisions. Physical Review D, 2013, 88.	4.7	10
508	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
509	Search for violation of Lorentz invariance and Lorentz invariance in pp collisions. Physical Review D, 2016, 94, 115011.	7.8	10
510	Measurement of the forward-backward asymmetry in the production of B_{\pm} mesons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	7.8	10
511	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
512	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 18-26.	4.1	10
513	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
514	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
515	Search for the production of $W_{\pm} \gamma$ events at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .	4.7	10
516	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	4.7	10
517	Evidence for $W_{\pm} W_{\pm}$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
518	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
519	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
520	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
521	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
522	Search for the Standard Model Higgs Boson in the $H \rightarrow W^+ W^- \gamma$ decay channel. Physical Review Letters, 2011, 106, 171802.	4.7	10

#	ARTICLE	IF	CITATIONS
523	Search for the standard model Higgs boson in tau lepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 237-245.	4.1	9
524	Search for the standard model Higgs boson in $\tau\tau + \text{jets}$ final states in 9.76 fb^{-1} of $pp \rightarrow \tau\tau$ collisions with the D0 detector. Physical Review D, 2013, 88, .	4.7	9
525	Measurement of the $\tau\tau$ distribution of muon pairs with masses between 30 and 500 GeV in 10.4 fb^{-1} of $pp \rightarrow \tau\tau$ collisions. Physical Review D, 2015, 91, .	4.7	9
526	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
527	Measurement of the $\gamma\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
528	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
529	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8 \text{ TeV}$ using the ZZ $\rightarrow \tau\tau$, $\tau\tau$, $\tau\tau$, $\tau\tau$ and ZZ $\rightarrow \tau\tau$, $\tau\tau$, $\tau\tau$ + $\tau\tau$ $\rightarrow \tau\tau$ $\rightarrow \tau\tau$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
530	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 1.	3.9	9
531	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
532	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	9
533	Search for a Higgs boson in diphoton final states with the D0 detector in 9.6 fb^{-1} of $pp \rightarrow \tau\tau$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2013, 88, .	4.7	8
534	Measurement of spin correlation between top and antitop quarks produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.1	8
535	Measurement of the top quark mass using the matrix element technique in dilepton final states. Physical Review D, 2016, 94, .	4.7	8
536	Measurement of the relative width difference of the $B^0 \rightarrow B^0$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
537	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s = 13 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
538	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
539	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
540	Measurement of the Effective Weak Mixing Angle in $pp \rightarrow Z/\gamma^* \rightarrow \tau\tau$ Events. Physical Review Letters, 2018, 120, 241802.	7.8	8

#	ARTICLE	IF	CITATIONS
541	Properties of $Zc^{\pm}(3900)$ produced in $pp^{\bar{A}}$ collisions. Physical Review D, 2019, 100, .	4.7	8
542	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s}=13$ TeV collisions at the ATLAS detector. European Physical Journal C, 2019, 79, 773.	3.9	8
543	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	8
544	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	4.1	8
545	Measurements of $W+W^{\bar{A}}$ + 1 jet production cross-sections in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
546	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
547	Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
548	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	3.9	8
549	Search for $Z\tau^{\pm}$ events with large missing transverse energy in $pp^{\bar{A}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, .	4.1	7
550	Search for $Z\tau^{\pm}$ events with large missing transverse energy in $pp^{\bar{A}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, .	4.7	7
551	Model independent search for new phenomena in $pp^{\bar{A}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 85, 7.	4.1	7
552	Measurement of the ratio of three-jet to two-jet cross sections in $pp^{\bar{A}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	4.1	7
553	Search for charged massive long-lived particles at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	4.7	7
554	Measurement of the differential cross section and the ratio of three-jet to two-jet cross section and the ratio of three-jet to two-jet cross sections in $pp^{\bar{A}}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	4.7	7

#	ARTICLE	IF	CITATIONS
559	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	3.9	7
560	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
561	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	7
562	Search for WH associated production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, .	4.7	6
563	Search for Universal Extra Dimensions in $pp \rightarrow p\bar{p} + \text{collisions}$. Search for Higgs boson production in oppositely charged dilepton and missing energy final states in $pp \rightarrow \ell\bar{\ell} + \text{collisions}$.	7.8	6
564	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	4.7	6
565	Search for a dark vector gauge boson decaying to e^+e^- using $\tau^+\tau^-$ decays. Physical Review D, 2016, 94, .	4.7	6
566	Centrality and pseudorapidity dependence of the transverse energy density in pp collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2010, 82, 054907.	2.9	6
567	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	4.1	6
568	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, .	4.7	6
569	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
570	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8, 13$ TeV. European Physical Journal C, 2019, 79, 969.	3.9	6
571	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 820, 135203.	4.1	6
572	Search for a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	7.8	6
573	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
574	Observation of the $\tau \rightarrow \mu \nu_\tau \nu_\mu$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135203.	4.1	6
575	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	3.9	6

#	ARTICLE	IF	CITATIONS
577	Search for the Higgs boson in lepton, tau, and jets final states. <i>Physical Review D</i> , 2013, 88, .	4.7	5
578	Measurement of the direct CP-violating parameter A_{CP} in the decay $D \rightarrow K^* \ell^+ \ell^-$. <i>Physical Review D</i> , 2014, 90, .	4.7	5
579	Constraints on Models for the Higgs Boson with Exotic Spin and Parity in $VH \rightarrow Vbb$ Final States. <i>Physical Review Letters</i> , 2014, 113, 161802.	7.8	5
580	Measurement of the $W+b$ -jet and $W+c$ -jet differential production cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.1	5
581	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	5
582	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	5
583	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s} = 13$ TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	5
584	Search for Higgs boson production in oppositely charged dilepton and missing energy events in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	4
585	Search for Higgs boson production in trilepton and like-charge electron-muon final states with the D0 detector. <i>Physical Review D</i> , 2013, 88, .	4.7	4
586	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	4
587	Measurement of jet activity in top quark events using the e^+e^- final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	4
588	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2018, 121, 141802.	7.8	4
589	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 305.	3.9	4
590	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4
591	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. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	4
592	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. <i>European Physical Journal C</i> , 2022, 82, 1.	3.9	4
593	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4
594	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
595	Measurement of the Direct CP-violating Charge Asymmetry in $D_s^{\pm} \rightarrow \pi^{\pm} \ell^{\pm} \ell^{\pm}$ Decays. Physical Review Letters, 2014, 112, 111804.	7.8	3
596	Measurement of the forward-backward asymmetry in b^0 and \bar{b}^0 baryon production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2015, 91, .	4.7	3
597	sections $\langle mml:math display="inline" \rangle \langle mml:mrow \rangle \langle mml:mi \rangle \bar{f} \langle /mml:mi \rangle \langle mml:mo$		

#	ARTICLE	IF	CITATIONS
613	Observation of Single Top Quark Production at D0. , 2010, , .		1
614	Measurement of the forward-backward asymmetries in the production of \bar{t} and t baryons in pp collisions. Physical Review D, 2016, 93, .	4.7	1
615	Combination of D0 measurements of the top quark mass. Physical Review D, 2017, 95, .	4.7	1
616	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s}=8.16\text{TeV}$. Physical Review C, 2021, 103, .	2.9	1
617	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s}=8,\text{TeV})$ with the ATLAS detector. , 2016, 76, 1.		1
618	Studies of dijet and trijet production in ep interactions at HERA. European Physical Journal C, 2004, 33, s436-s438.	3.9	0
619	MULTIJET PRODUCTION IN NEUTRAL CURRENT DEEP INELASTIC SCATTERING AT HERA AND DETERMINATION OF $\Gamma_{\pm s}$. International Journal of Modern Physics A, 2005, 20, 2002-2005.	1.5	0
620	Evidence for single top quark production at D0. Journal of Physics: Conference Series, 2008, 110, 042011.	0.4	0
621	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135103.	4.1	0