

# Stathes Paganis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3329716/publications.pdf>

Version: 2024-02-01

499  
papers

23,107  
citations

9756

73  
h-index

18075

120  
g-index

509  
all docs

509  
docs citations

509  
times ranked

9579  
citing authors

1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
2	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
3	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ . European Physical Journal C, 2019, 79, 421.	1.4	355
4	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
5	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 581.	1.4	298
6	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s}=7 \text{ TeV}$ and $8 \text{ TeV}$ in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
7	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
8	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
9	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
10	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
11			

#	ARTICLE	IF	CITATIONS
19	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	175
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.	1.4	174
21	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
22	Measurement of the transverse momentum and $\phi^*_{\eta}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
23	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146
24	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
25	Measurement of the $t\bar{t}\hat{A}$ production cross-section using $e^+e^-$ events with $b\bar{b}$ -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
26	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	1.4	138
27	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	137
28	Measurement of the $Z/\hat{A}$ boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131
29	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
30	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
31	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123
32	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
33	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
34			

[illegible]

#	ARTICLE	IF	CITATIONS
55	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
56	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.	1.6	89
57	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
58	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	88
59	The STAR experiment at the relativistic heavy ion collider. Nuclear Physics A, 1994, 566, 277-285.	0.6	86
60	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
61	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	84
62	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
63	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s} = 5.02$ TeV PbPb collisions at 5.02 TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
64	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
65	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
66	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	1.6	82
67	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	81
68	Search for production of $WW/WZ$ resonances decaying to a lepton, neutrino and jets in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
69	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
70	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.	1.4	78
71	Light-quark and gluon jet discrimination in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
72	Search for dark matter in events with heavy quarks and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	1.4	77

#	ARTICLE	IF	CITATIONS
73	Search for resonant diboson production in the $\ell\ell\gamma q\bar{q}$ final state in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
74	Measurement of the inclusive and dijet cross-sections of b-jets in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
75	Measurement of the production cross section of jets in association with a Z boson in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
76	Search for additional neutral MSSM Higgs bosons in the $\ell\ell, \ell\gamma$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
77	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	71
78	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in $pp$ collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
79	Search for a high-mass Higgs boson decaying to a W boson pair in $pp$ collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
80	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in $pp$ collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.	1.4	70
81	Searches for physics beyond the standard model with the $M_{T2}$ 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.	1.4	70
82	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, H \rightarrow \tau^\pm \bar{\nu}_\tau$ in fully hadronic final states using $pp$ collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
83	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68
84	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.	1.4	68
85	Measurement of charged-particle spectra in Pb+Pb collisions at $s_{NN} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
86	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
87	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
88	A search for $t\bar{t} \rightarrow \text{resonances}$ using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
89	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	66
90	The ATLAS semiconductor tracker end-cap module. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 575, 353-389.	0.7	65

#	ARTICLE	IF	CITATIONS
91	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
92	Measurement of the $W \rightarrow \ell \bar{\nu}_\ell$ and $Z \rightarrow \ell \ell$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
93	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	64
94	Observation and measurements of the production of prompt and non-prompt $\Upsilon$ mesons in association with a $Z$ boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	1.4	64
95	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
96	Measurement of the differential cross-sections of prompt and non-prompt production of $J/\psi$ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
97	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
98	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
99	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	1.4	62
100	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
101	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
102	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
103	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\gamma$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
104	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	61
105	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	1.4	60
106	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
107	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
108	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $\ell \ell u \bar{u} + b \bar{b} \ell \ell + b \bar{b} \ell \ell$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60

#	ARTICLE	IF	CITATIONS
109	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton–lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	1.4	60
110	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
111	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	59
112	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
113	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
114	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton–proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	1.4	58
115	Measurement of the weak mixing angle using the forward–backward asymmetry of Drell–Yan events in $pp$ collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
116	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
117	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton–proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
118	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
119	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
120	Measurement of the jet fragmentation function and transverse profile in proton–proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	56
121	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	1.4	56
122	Search for direct top squark pair production in events with a $ZZ$ boson, $b\bar{b}$ jets and missing transverse momentum in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	1.4	55
123	Summary of the ATLAS experiment’s sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	1.6	55
124	Measurement of the double-differential inclusive jet cross section in proton–proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
125	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	54
126	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	54



#	ARTICLE	IF	CITATIONS
127	Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	1.4	54
128	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
129	Search for charged Higgs bosons in the $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
130	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
131	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	53
132	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	53
133	Measurement of prompt and nonprompt $J/\psi$ production in $p\bar{p}$ and $p\text{Pb}$ collisions at $\sqrt{s_{NN}} = 5.02$ , ext $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
134	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
135	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	52
136	Search for lepton-flavour-violating $H \rightarrow \tau^{\pm} \nu_{\tau}$ decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
137	Measurement of the top quark mass in the $t\bar{t} \rightarrow \text{lepton} + \text{jets}$ and $t\bar{t} \rightarrow \text{dilepton}$ channels using $\sqrt{s} = 7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	1.4	52
138	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
139	Measurements of the $p\bar{p} \rightarrow Z\gamma$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	1.4	52
140	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
141	Measurement of the top quark mass with the template method in the $t\bar{t} \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
142	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	1.4	50
143	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ , ext $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 564.	1.4	50
144	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	49

#	ARTICLE	IF	CITATIONS
145	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7\text{ TeV}$ pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	48
146	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	1.4	48
147	Observation of $Y(1S)$ pair production in proton-proton collisions at $s=8\sqrt{s}=8\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
148	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.	1.4	48
149	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $s=8\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
150	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	1.4	46
151	Search for third-generation scalar leptoquarks decaying to a top quark and a $\mu$ , lepton at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 707.	1.4	46
152	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector using final states with two high- $p_T$ leptons. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
153	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ . European Physical Journal C, 2013, 73, 1.	1.4	45
154	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
155	Measurement of the $t\bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
156	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $s=8\sqrt{s}=8\text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
157	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
158	Search for supersymmetry at $\sqrt{s}=8\text{ TeV}$ in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
159	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $s=8\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
160	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 140.	1.4	44
161	Search for the Standard Model Higgs boson in the $H\rightarrow\tau^+\tau^-$ , $H\rightarrow\tau^+\tau^-$ decay mode in $\sqrt{s}=7\text{ TeV}$ pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43
162	Search for charged Higgs bosons in the $H\rightarrow\tau^+\tau^-$ decay channel in pp collisions at $s=8\sqrt{s}=8\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43

#	ARTICLE	IF	CITATIONS
163	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	1.4	43
164	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
165	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	42
166	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	42
167	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	1.4	42
168	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
169	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
170	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
171	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $s \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
172	Measurement of the production and lepton charge asymmetry of $W^\pm W$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2015, 75, 23.	1.4	41
173	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
174	Measurement of properties of $B^0 \rightarrow \tau^+ \tau^-$ decays and search for $B^0 \rightarrow \tau^+ \tau^-$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
175	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40
176	A search for $\overline{t} t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	40
177	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in $pp \sqrt{s}=7$ TeV collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	1.4	40
178	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 $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	40
179	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $s = 7 \sqrt{s}=7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	40
180	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{t}^+ J/\psi D_s^+ \hat{t}^+$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{t}^+ J/\psi D_s^+ \hat{t}^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40

#	ARTICLE	IF	CITATIONS
181	Measurement of the $\sigma(\text{t}\bar{\text{t}})$ production cross section using events in the $\text{e}\mu$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
182	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	1.4	40
183	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.	1.4	40
184	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	40
185	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 378.	1.4	40
186	Search for massive colored scalars in four-jet final states in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
187	Search for flavour-changing neutral current top-quark decays to $qZ$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.	1.4	39
188	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 87.	1.4	39
189	Measurement of differential cross sections for $Z$ boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
190	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	38
191	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
192	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 636.	1.4	38
193	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $l$ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
194	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	37
195	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=7$ and $8$ TeV and search for anomalous triple gauge couplings at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 236.	1.4	37
196	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
197	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	37
198	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	36

#	ARTICLE	IF	CITATIONS
199	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
200	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	1.4	36
201	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	36
202	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8\sqrt{s} = 8\sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
203	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8\sqrt{s} = 8\sqrt{s}$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	1.4	36
204	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13\sqrt{s} = 13\sqrt{s}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
205	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s} = 8\sqrt{s} = 8\sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
206	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
207	Search for $W' \rightarrow t\bar{t} q\bar{q}$ decays in $pp$ collisions at $\sqrt{s} = 8\sqrt{s} = 8\sqrt{s}$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	1.4	35
208	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
209	Search for anomalous $Wtb$ couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
210	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13\sqrt{s} = 13\sqrt{s}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
211	Measurement of exclusive $\Upsilon$ photoproduction from protons in $p\bar{p}$ collisions at $\sqrt{s} = 5.02\sqrt{s} = 5.02\sqrt{s}$ TeV. European Physical Journal C, 2019, 79, 277.	1.4	35
212	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13\sqrt{s} = 13\sqrt{s}$ TeV. European Physical Journal C, 2021, 81, 488.	1.4	35
213	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
214	Multi-channel search for squarks and gluinos in $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
215	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two $\bar{l}$ , leptons in proton-proton collisions at $\sqrt{s} = 13\sqrt{s} = 13\sqrt{s}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
216	Measurement of the top quark mass with lepton+jets final states using $p\bar{p}$ collisions at $\sqrt{s} = 13\sqrt{s} = 13\sqrt{s}$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34



#	ARTICLE	IF	CITATIONS
217	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
218	Search for single production of vector-like quarks decaying to a top quark and a $W$ boson in proton–proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	1.4	34
219	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
220	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	1.4	33
221	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
222	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
223	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two $\ell$ , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	33
224	Measurement of exclusive $\gamma\gamma \rightarrow \ell^+\ell^- \ell^+\ell^-$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 702.	1.4	33
225	Search for dark matter produced in association with a leptonically decaying $Z$ boson in proton–proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
226	Search for top squark pair production using dilepton final states in $pp$ collision data collected at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
227	Measurement of $t\bar{t}$ normalised multi-differential cross sections in $pp$ collisions at $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
228	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
229	Measurement of $c1$ and $c2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
230	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
231	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	31
232	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton–proton collisions. European Physical Journal C, 2012, 72, 1.	1.4	31
233	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	1.6	31
234	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31

#	ARTICLE	IF	CITATIONS
235	Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
236	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
237	A multi-dimensional search for new heavy resonances decaying to boosted $W^+W^-$ , $W^+Z$ , or $Z^+Z^-$ boson pairs in the dijet final state at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 237.	1.4	31
238	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	1.4	30
239	Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
240	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
241	A search for new phenomena in pp collisions at $\sqrt{s}=13$ TeV in final states with missing transverse momentum and at least one jet using the $\alpha_T$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29
242	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
243	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
244	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.	1.4	29
245	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	28
246	Measurements of $t\bar{t}$ differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
247	Search for $t\bar{t}H$ production in the $H\rightarrow b\bar{b}$ decay channel with leptonic $t\bar{t}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
248	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
249	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	1.4	27
250	Measurement of the $WW+WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
251	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
252	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 291.	1.4	27

#	ARTICLE	IF	CITATIONS
253	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
254	Search for new neutral Higgs bosons through the $\mathrm{H} \rightarrow \mathrm{Z} \gamma \gamma$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
255	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
256	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
257	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	26
258	A search for $t\bar{t}$ resonances with the ATLAS detector in $2.05 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2083.	1.4	25
259	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	25
260	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
261	Determination of the top-quark pole mass using $t\bar{t} \rightarrow \gamma \gamma$ + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	1.6	25
262	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
263	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
264	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
265	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
266	Measurements of $\sigma(\mathrm{pp} \rightarrow \mathrm{Z} \gamma \gamma)$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ . European Physical Journal C, 2021, 81, 200.	1.4	24
267	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. European Physical Journal C, 2010, 70, 875-916.	1.4	23
268	A measurement of the ratio of the production cross sections for $W W$ and $Z Z$ bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	1.4	23
269	Measurement of the underlying event in jet events from $7 \text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	1.4	23
270	A search for high-mass resonances decaying to $\tilde{l}, \tilde{l}^*$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	23



#	ARTICLE	IF	CITATIONS
271	Measurement of three-jet production cross-sections in $pp$ collisions at $\sqrt{s} = 7\text{ TeV}$ centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	1.4	23
272	Measurement of the jet mass in highly boosted $\overline{t}t$ events from $pp$ collisions at $\sqrt{s} = 8\text{ TeV}$ . European Physical Journal C, 2017, 77, 467.	1.4	23
273	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
274	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ . European Physical Journal C, 2017, 77, 354.	1.4	23
275	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
276	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
277	Search for resonant $\overline{t}t$ production in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
278	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 $\sqrt{s} = 13\text{ TeV}$ . European Physical Journal C, 2020, 80, 752.	1.4	23
279	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
280	Measurement of event shapes at large momentum transfer with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	22
281	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	1.4	22
282	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
283	Measurement of the $t\overline{t}W$ and $t\overline{t}Z$ production cross sections in $pp$ collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
284	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW \rightarrow \ell\ell$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
285	Search for $t\overline{t}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
286	Search for massive resonances decaying into $WW$ , $WZ$ or $ZZ$ bosons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
287	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
288	Search for heavy neutrinos or third-generation leptiquarks in final states with two hadronically decaying $\tilde{l}$ , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	22

#	ARTICLE	IF	CITATIONS
289	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.	1.4	22
290	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.	1.4	22
291	Measurement of $\tau$ , polarization in $W \rightarrow \tau \nu_\tau$ decays with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 2062.	1.4	21
292	Measurement of the production cross-section of $\tau^+ \tau^- J/\psi(\psi' \rightarrow \psi + \gamma)$ in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
293	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu \mu W W \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	1.4	21
294	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
295	Search for supersymmetry in events with a $\tau$ , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
296	Search for beyond the standard model Higgs bosons decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
297	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.	1.6	21
298	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
299	Search for $t\bar{t}H$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
300	First beam tests of prototype silicon modules for the CMS High Granularity Endcap Calorimeter. Journal of Instrumentation, 2018, 13, P10023-P10023.	0.5	20
301	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
302	Search for rare decays of $Z$ and Higgs bosons to $\gamma/\psi$ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 94.	1.4	20
303	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
304	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
305	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
306	Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19

#	ARTICLE	IF	CITATIONS
307	Measurement of $k_T$ splitting scales in $W\hat{t}\hat{a}, \hat{t}\hat{t}^{1/2}$ events at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
308	Search for flavour-changing neutral current top quark decays $t \hat{a}^* H_q$ in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	1.6	19
309	Addendum to $\hat{a}^*$ Measurement of the $\hat{t}\hat{t}^* \hat{t} \hat{t}^* \hat{a}^*$ production cross-section using $\hat{t}\hat{t}^* e \hat{e}^{1/4}$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ with the ATLAS detector $\hat{a}^*$ . European Physical Journal C, 2016, 76, 1.	1.4	19
310	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
311	Probing lepton flavour violation via neutrinoless $\hat{a}^* \rightarrow 3\mu$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	1.4	19
312	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 723.	1.4	19
313	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	18
314	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	18
315	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $s_{NN} = 2.76 \sqrt{s_{NN}} = 2.76 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
316	Measurement of normalized differential $\hat{t}\hat{t}^*$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
317	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
318	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
319	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2019, 79, 20.	1.4	18
320	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
321	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 629.	1.4	18
322	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 970.	1.4	18
323	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2022, 82, 290.	1.4	18
324	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17

#	ARTICLE	IF	CITATIONS
325	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
326	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
327	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
328	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7\text{ TeV}$ . European Physical Journal C, 2015, 75, 158.	1.4	17
329	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
330	Search for new physics with the $M_{T2}$ variable in all-jets final states produced in pp collisions at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
331	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
332	Measurement of electroweak-induced production of $W\ell^3$ with two jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
333	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s}=8\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
334	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
335	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\text{NN}}}=5.44\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
336	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
337	Search for the decay of a Higgs boson in the $\gamma\gamma$ channel in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
338	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 697.	1.4	17
339	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 1.	1.4	17
340	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
341	The data acquisition and calibration system for the ATLAS Semiconductor Tracker. Journal of Instrumentation, 2008, 3, P01003-P01003.	0.5	16
342	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	16

#	ARTICLE	IF	CITATIONS
343	Measurement of the production cross section of a $W$ boson in association with two $b$ jets in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2017, 77, 92.	1.4	16
344	Measurement of associated $Z$ + charm production in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2018, 78, 287.	1.4	16
345	Search for single production of vector-like quarks decaying to a $b$ quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
346	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2019, 79, 886.	1.4	16
347	Search for diphoton events with large missing transverse energy with $36 \text{ pb}^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	15
348	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
349	Search for decays of stopped, long-lived particles from 7 TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
350	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
351	Measurement of the flavour composition of dijet events in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
352	Search for $WH$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	1.2	15
353	Search for electroweak production of charginos and neutralinos in $WH$ events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
354	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
355	Measurement of the $t\bar{t}\gamma$ production cross section using events with one lepton and at least one jet in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
356	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
357	Search for a singly produced third-generation scalar leptoquark decaying to a $\tilde{l}, \tilde{\nu}_l$ , lepton and a bottom quark in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
358	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
359	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tilde{l}\tilde{l}^*$ , and $e\tilde{l}$ , in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
360	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.	1.6	15

#	ARTICLE	IF	CITATIONS
361	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. European Physical Journal C, 2011, 71, 1.	1.4	14
362	Search for supersymmetry in pp collisions at s = 13 $\sqrt{s}$ =13 TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
363	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
364	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at s = 13 $\sqrt{s}$ =13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
365	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at s = 8 $\sqrt{s}$ =8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
366	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
367	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at s = 13 $\sqrt{s}$ =13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
368	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}$ =13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
369	Studies of $\mathcal{B}(\mathcal{B}^0 \rightarrow \mathcal{B}^0 \gamma)$ and $\mathcal{B}(\mathcal{B}^0 \rightarrow \mathcal{B}^0 \gamma)$		



#	ARTICLE	IF	CITATIONS
379	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7\text{--}\mathrm{TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	13
380	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	13
381	Search for lepton flavour violation in the $e\bar{\nu}_\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7\text{--}\mathrm{TeV}$ pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	1.4	13
382	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7\text{--}8\text{ TeV}$ pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	1.4	13
383	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
384	Measurement of the CP-violating phase $\beta_s$ and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \ell^+\ell^-\bar{\nu}\nu$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
385	Search for anomalous couplings in the $Wtb$ vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	1.6	13
386	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
387	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
388	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
389	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
390	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
391	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
392	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
393	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s} = 13\text{--}14\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
394	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
395	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
396	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2022, 2022, 1.	1.6	13

#	ARTICLE	IF	CITATIONS
397	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	12
398	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of s $\sqrt{s}$ = 8 TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
399	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at s $\sqrt{s_{\mathrm{NN}}}$ =5.02 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
400	Measurement of the groomed jet mass in PbPb and pp collisions at s $\sqrt{s_{\mathrm{NN}}}$ =5.02 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
401	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}^0_1$ or $\tilde{\chi}^\pm_1$ , $\tilde{\chi}^\pm_1$ at s $\sqrt{s}$ =13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
402	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at s $\sqrt{s}$ =13 TeV. European Physical Journal C, 2019, 79, 1.	1.4	12
403	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
404	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidity in proton-proton collisions at s $\sqrt{s}$ =13 TeV. European Physical Journal C, 2019, 79, 893.	1.4	12
405	Development and validation of HERWIG <sup>2</sup> tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
406	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at s $\sqrt{s}$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12
407	Measurement of $W\tilde{\chi}^0_1$ and $Z\tilde{\chi}^0_1$ production in proton-proton collisions at s $\sqrt{s}$ = 7 TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	11
408	Measurement of four-jet differential cross sections in s $\sqrt{s}$ =8 TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	1.6	11
409	Search for electroweak production of charginos in final states with two $\tilde{\chi}^\pm_1$ leptons in pp collisions at s $\sqrt{s}$ =8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
410	Measurement of the semileptonic $t\bar{t}\tilde{\chi}^\pm_1$ production cross section in pp collisions at s $\sqrt{s}$ =8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
411	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at s $\sqrt{s}$ =8 TeV using H $\rightarrow$ WW decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
412	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at s $\sqrt{s}$ =13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
413	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at s $\sqrt{s}$ =13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
414	Search for supersymmetry in events with a photon, jets, b-jets, and missing transverse momentum in proton-proton collisions at 13 TeV. European Physical Journal C, 2019, 79, 444.	1.4	11



#	ARTICLE	IF	CITATIONS
415	Search for nonresonant Higgs boson pair production in the $\overline{b}b$ final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
416	Study of the underlying event in top quark pair production in $pp$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	11
417	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.	1.6	11
418	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
419	Measurement of electroweak production of a $W$ boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 43.	1.4	11
420	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	10
421	Search for direct top squark pair production in final states with two tau leptons in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	1.4	10
422	Measurements of the $pp \rightarrow W^{\pm} Z^{\pm} \gamma$ and $pp \rightarrow Z^{\pm} Z^{\pm} \gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
423	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
424	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
425	Study of dijet events with a large rapidity gap between the two leading jets in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2018, 78, 242.	1.4	10
426	Measurement of the $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \mu^+ \mu^- \nu \bar{\nu})$ cross section in $pp$ collisions at $\sqrt{s} = 13$ TeV and validation of $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \mu^+ \mu^- \nu \bar{\nu})$ . European Physical Journal C, 2018, 78, 708.	1.4	10
427	Search for a heavy resonance decaying into a $Z$ boson and a vector boson in the $u\overline{u}q\overline{q}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
428	Search for resonances decaying to a pair of Higgs bosons in the $b\overline{b}q\overline{q}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
429	Evidence for $W^+W^-$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
430	A new method to distinguish hadronically decaying boosted $Z$ bosons from $W$ bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	1.4	9
431	Search for resonances in the mass spectrum of muon pairs produced in association with $b$ quark jets in proton-proton collisions at $\sqrt{s} = 8$ TeV and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
432	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\tau$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
433	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	9
434	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
435	Search for a low-mass $\tilde{l}, \tilde{l}^*$ resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
436	Search for a heavy vector resonance decaying to a $Z_{\text{eff}}$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	1.4	9
437	Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO <sub>4</sub> crystals. Journal of Instrumentation, 2016, 11, P04012-P04012.	0.5	8
438	Searches for $W\tilde{\chi}^0_1$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
439	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
440	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell, 2q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
441	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
442	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s} = 13$ TeV collisions. European Physical Journal C, 2019, 79, 773.	1.4	8
443	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
444	Search for high-mass $\tilde{Z}^0$ resonances in $e^+e^- \rightarrow \tilde{Z}^0 \rightarrow \ell^+\ell^-$ and $\tilde{Z}^0 \rightarrow \ell^+\ell^- + \tilde{\chi}^0_1$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
445	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to $\tilde{l}, \tilde{l}^*$ leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
446	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
447	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	6
448	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
449	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
450	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in $\sqrt{s} = 8$ TeV collisions. European Physical Journal C, 2019, 79, 969.	1.4	6

#	ARTICLE	IF	CITATIONS
451	Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive $W\hat{\alpha}_\pm$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
452	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
453	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
454	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	5
455	Measurement of the inclusive $\sigma(\text{t}\overline{\text{t}})$ cross section in pp collisions at $\sqrt{s}=5.02$ TeV using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
456	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
457	Search for a $W\hat{\alpha}^2$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
458	Search for the pair production of light top squarks in the $e\hat{\alpha}\pm\hat{\alpha}^{\pm 1/4}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
459	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8, \text{ext}\{T\}\text{ext}\{V\}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
460	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
461	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
462	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
463	Can only flavor-nonsinglet H dibaryons be stable against strong decays?. Physical Review C, 1997, 56, 570-573.	1.1	4
464	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	4
465	Search for CP violation in $t\bar{t}\hat{\alpha}^{\pm 1/4}$ production and decay in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
466	Measurement of differential cross sections in the kinematic angular variable $\hat{\alpha}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
467	Search for ZZ resonances in the $2\hat{\alpha}, 2\hat{\alpha}^{1/2}$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
468	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4

#	ARTICLE	IF	CITATIONS
469	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 305.	1.4	4
470	Exclusion of heavy, broad resonances from precise measurements of WZ and VH final states at the LHC. European Physical Journal C, 2019, 79, 1.	1.4	4
471	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
472	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	4
473	Probing compositeness with Higgs Boson decays at the LHC. European Physical Journal C, 2014, 74, 1.	1.4	3
474	Search for top quark partners with charge 5/3 in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
475	Inclusive search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
476	Search for excited leptons in $\ell^+ \ell^- \ell^+ \ell^-$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
477	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
478	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. , 2015, 2015, 1.		3
479	Study of the $B^+ \rightarrow \mu^+ \nu_\mu \overline{\Lambda}^0$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
480	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. , 2015, 75, 1.		3
481	Measurements of the $(p\bar{p} \rightarrow Z\bar{Z})$ production cross section and the $(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. , 2018, 78, 1.		3
482	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	2
483	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
484	Measurement of the top quark pair production cross section in dilepton final states containing one $\tau$ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
485	Measurements of angular distance and momentum ratio distributions in three-jet and $Z + 2$ -jet final states in $pp$ collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
486	Measurement of the $(t\bar{t})$ production cross-section using $(e\mu)$ events with (b)-tagged jets in (pp) collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. , 2014, 74, 1.		2

#	ARTICLE	IF	CITATIONS
487	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $(\sqrt{s}=8\text{--})\text{TeV}$ with the ATLAS detector. , 2015, 75, 1.		2
488	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
489	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02\text{ TeV}$ . Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
490	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2022, 2022, .	1.6	2
491	ATLAS Liquid Argon Barrel Calorimeter Performance in the 2004 Combined Test-Beam. Nuclear Physics, Section B, Proceedings Supplements, 2007, 172, 108-110.	0.5	1
492	A 2D fit with background measurement constraints to boost the Higgs $\hat{\tau}^+\text{ZZ}(\hat{\tau}^-\rightarrow)\hat{\tau}^+\tau^-$ , “discovery potential at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	1
493	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	1
494	High $\text{P}_T$ Higgs excess as a signal of non-local QFT at the LHC. European Physical Journal C, 2021, 81, 1.	1.4	1
495	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at $(\sqrt{s}=8)\text{ TeV}$ with the ATLAS detector. , 2015, 75, 1.		1
496	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
497	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76\text{ TeV}$ . Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
498	Observation of $B^0 \rightarrow \text{Supersymmetry}(2S)K^0_{\text{S}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{S}} \rightarrow \text{Supersymmetry}(2S)K^0_{\text{S}} \text{S}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
499	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	0