

# Kenneth Wraight

## List of Publications by Year in descending order

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Version: 2024-02-01

285  
papers

12,795  
citations

30070

54  
h-index

34986

98  
g-index

301  
all docs

301  
docs citations

301  
times ranked

8398  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
2	Test of lepton universality with $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	425
3	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.	3.9	362
4	Angular analysis of the $B \rightarrow K^{*0} \ell^+ \ell^-$ decay using $3 \text{ fb}^{-1}$ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	4.7	304
5	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.	3.9	268
6	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
7	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248

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#	ARTICLE	IF	CITATIONS
19	Search for a light charged Higgs boson in the decay channel $H^{+} \rightarrow c\bar{s}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	3.9	119

20	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	114
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#	ARTICLE	IF	CITATIONS
37	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	68
38	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
39	Measurement of the $W \rightarrow \tau \nu_\tau$ and $Z \rightarrow \tau \tau$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
40	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
41	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
42	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\gamma^3$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
43	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
44	Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
45	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
46	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
47	Measurement of $W \rightarrow Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
48	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	59
49	Search for charged Higgs bosons decaying via $H \rightarrow \tau \nu_\tau$ in the $\tau + \text{jets}$ and $\tau + \text{lepton}$ final states with 36 fb <sup>-1</sup> of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	4.7	59
50	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
51	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
52	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
53	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	56
54	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

#	ARTICLE	IF	CITATIONS
55	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
56	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
57	Study of the $D^0 \rightarrow \rho^+ \pi^-$ amplitude in $\hat{b} \rightarrow \hat{c} \hat{c}^* \hat{d} \hat{d}^*$ decays. Journal of High Energy Physics, 2017, 2017, 14.7		54
58	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	3.9	54
59	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
60	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
61	Search for Higgs boson pair production in the $\gamma\gamma \rightarrow W^+W^- \rightarrow \gamma\gamma$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53
62	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
63	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
64	Measurement of the top quark mass with the template method in the $\text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
65	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. European Physical Journal C, 2017, 77, 161.	3.9	51
66	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}_{NN} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
67	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	50
68	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	49
69	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
70	Measurement of the top quark mass in the $t \rightarrow t \hat{c} \hat{c}^*$ . European Physical Journal C, 2019, 79, 1.	3.9	47
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, \sqrt{s} = 13, \sqrt{s} = 13.6$ TeV with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
74	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
75	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
76	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.	3.9	45
77	Study of prompt D <sup>0</sup> meson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
78	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+\tau^-$ , $H \rightarrow \tau\nu$ decay mode in $\sqrt{s} = 7, \sqrt{s} = 13$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
79	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.	4.7	42
80	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
81	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, \sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
82	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	3.9	41
83	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13, \sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	41
84	Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s} = 13, \sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	41
85	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.	3.9	40
86	A search for $t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
87	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
88	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 <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 13, \sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	40
89	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7, \sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	39
90	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	39

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91	Search for Higgs boson pair production in the $\gamma\gamma$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
92	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
93	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	37
94	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
95	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	37
96	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.	3.9	36
97	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
98	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
99	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
100	Measurement of flow harmonics correlations with mean transverse momentum in lead–lead and proton–lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	36
101	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
102	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
103	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
104	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
105	Multi-channel search for squarks and gluinos in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	3.9	34
106	Measurement of the $J/\psi$ pair production cross-section in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	34
107	Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t} + \text{jets}$ channel with pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	34
108	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	34

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109	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	33
110	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	3.9	33
111	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	33
112	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
113	Measurement of $\tilde{t} c_1$ and $\tilde{t} c_2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
114	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	32
115	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 900$ GeV and $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	31
116	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	3.9	31
117	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
118	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
119	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	30
120	Evidence for $t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	30
121	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
122	Measurement of the CKM angle $\hat{\Gamma}^3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
123	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
124	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
125	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	28
126	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	3.9	28



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127	In situ calibration of large-radius jet energy and mass in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	28
128	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	28
129	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	28
130	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. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	28
131	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. <i>European Physical Journal C</i> , 2018, 78, 625.	3.9	27
132	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	27
133	Measurement of the top-quark mass in $t + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	27
134	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	27
135	Search for Higgs-like bosons decaying into long-lived exotic particles. <i>European Physical Journal C</i> , 2016, 76, 664.	3.9	26
136	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $ell b\bar{b}$ and $ell W W$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	26
137	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. <i>European Physical Journal C</i> , 2012, 72, 2083.	3.9	25
138	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	25
139	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , 2018, 78, 987.	3.9	25
140	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	25
141	Observations of $\hat{p} b 0 \rightarrow \hat{p} \bar{t} \bar{t} K + \bar{t} \bar{t} \bar{t}$ and $\hat{p} b 0 \rightarrow \hat{p} \bar{t} \bar{t} K + K \bar{t}$ decays and searches for other $\hat{p} b 0$ and $\hat{z} b 0$ decays to final states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	24
142	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	24
143	Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	24
144	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	24

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145	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
146	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
147	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
148	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	22
149	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
150	Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	22
151	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
152	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.	3.9	21
153	Search for the lepton-flavour violating decays $B_0 \rightarrow s \tau^+ \tau^- e^\pm \nu_e$ . Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
154	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	21
155	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, .	3.9	21
156	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	21
157	Search for diboson resonances in hadronic final states in $139 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
158	Search for charged Higgs bosons through the violation of lepton universality in $t \rightarrow b W^\pm H^\pm$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
159	Measurement of $k_T$ splitting scales in $W \rightarrow \tau \nu_\tau$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
160	Resonances and CP violation in $B \rightarrow D_s^0$ and $B \rightarrow D_s^0 \tau^+ \tau^- K + K^*$ decays in the mass region above the $\psi(1020)$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
161	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
162	Search for top-quark decays $t \rightarrow Hq$ with $36 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	19

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163	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
164	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>-1</sup> of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	19
165	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
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167	Measurement of forward $W^+ e^{1/2}$ production in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
168	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
169	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
170	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
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172	Forward-backward correlations and event shapes as probes of minimum-bias event properties. European Physical Journal C, 2011, 71, 1.	3.9	17
173	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
174	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
175	Observation of $\bar{b} b 0 \rightarrow (2S) p K^+$ and $\bar{b} b 0 \rightarrow \bar{l} l + \bar{l} e^+ p K^+$ decays and a measurement of the $\bar{b} b 0$ baryon. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
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180	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

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182	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
183	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	16
184	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
185	Search for diphoton events with large missing transverse energy with $36 \text{ pb}^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	15
186	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
187	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	15
188	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
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192	Observation of the suppressed decay $B^0 \rightarrow b \pi^+ \pi^- \pi^+ \pi^-$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
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194	Search for scalar resonances decaying into $\pi^+ \pi^-$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
195	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
196	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	15
197	Search for a heavy neutral particle decaying into an electron and a muon using $1 \text{ fb}^{-1}$ of ATLAS data. European Physical Journal C, 2011, 71, 1.	3.9	14
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200	Measurements of inclusive and differential fiducial cross-sections of $\mathbb{H}^*t\mathbb{H}$ production in leptonic final states at $\sqrt{s}=13\text{ TeV}$ in ATLAS. European Physical Journal C, 2019, 79, 1.	3.9	14
201	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
202	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
203	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2021, 81, 1.	3.9	14
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207	Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
208	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	13
209	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	13
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211	The differential production cross section of the $\mathbb{H}^*t\mathbb{H}$ (1020) meson in $\sqrt{s} = 7\text{ TeV}$ pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	3.9	13
212	Measurement of the ratio of branching fractions $\mathbb{H}^*t\mathbb{H} \rightarrow Bc + \mathbb{H}^*t\mathbb{H} \rightarrow K^+ + \mathbb{H}^*t\mathbb{H} \rightarrow Bc + \mathbb{H}^*t\mathbb{H}$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
213	Study of $D_{s1}^* \rightarrow D^* K^0$ mesons decaying to $D^* K^0$ and $D^* K^+$ final states. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
214	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
215	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	13
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219	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
220	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 8.16$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	12
221	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
222	Search for supersymmetry in events with four or more charged leptons in $139 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
223	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
224	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
225	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
226	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
227	Measurement of $W^{\pm 3}$ and $Z^{\pm 3}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	11
228	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	3.9	11
229	First observation of $B^+ \rightarrow D^+ s + K^+$ decays and a search for $B^+ \rightarrow D^+ s + \bar{\nu}_\mu$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
230	Measurements of CP asymmetries in charmless four-body $\Lambda_b^0$ and $\Xi_b^0$ decays. European Physical Journal C, 2019, 79, 1.	3.9	11
231	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
232	Evidence for the two-body charmless baryonic decay $B^+ \rightarrow p \bar{\Lambda}^- \Lambda^0$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
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234	Measurement of the $Z \rightarrow u \overline{u} \gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10

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236	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
237	Measurement of $J/\psi$ production in association with a $W^{\pm}$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
238	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
239	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with $139 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	10
240	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
241	Model-independent measurement of the CKM angle $\hat{\beta}^3$ using $B^0 \rightarrow D^+ K^-$ decays with $D^+ \rightarrow K^+ \pi^0$ and $D^+ \rightarrow K^+ \pi^0$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
242	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
243	Measurement of the $Y(nS)$ polarizations in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
244	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	9
245	Measurement of the $Z(\tau^+ \tau^-)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	9
246	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	9
247	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
248	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
249	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
250	Measurements of $W+W^{\pm} + 1$ 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
251	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
252	Reconstruction and identification of boosted $d\bar{t}$ 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

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254	Measurement of CP observables in $B^{\pm} \rightarrow DK^{*\pm}$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
255	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
256	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
257	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
258	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
259	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
260	Measurement of ZZ production in the $\gamma, \gamma, \gamma\gamma$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
261	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
262	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	3.9	6
263	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. European Physical Journal C, 2020, 80, 1.	3.9	5
264	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	5
265	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	5
266	Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using $36 \text{ fb}^{-1}$ of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
267	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	3.9	5
268	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, .	3.9	4
269	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
270	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4



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271	Search for top squarks in events with a Higgs or Z boson using 139 $\text{fb}^{-1}$ of pp collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	4
272	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	4
273	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} (\rightarrow \pi^{\pm} \nu_{\mu}) \nu_{\tau}$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	3.9	4
274	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
275	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
276	Search for the $B_s^0 \rightarrow \mu^+ \mu^- \pi^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
277	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \mu^+ \mu^- K^+$ and $B \rightarrow \mu^+ \mu^- K^0$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
278	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	3
279	Measurements of inclusive and differential cross-sections of combined $\overline{t} \gamma$ and $t W^{\pm}$ production in the $e^{\pm} \nu$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
280	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
281	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	3
282	Measurement of b-quark fragmentation properties in jets using the decay $B_{\pm} \rightarrow \mu^{\pm} K^{\pm}$ in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
283	Measurements of the S-wave fraction in $B^0 \rightarrow \mu^+ K^+ \pi^- \pi^0$ and $B^0 \rightarrow \mu^+ K^+ \pi^- \pi^0$ decays and the $B^0 \rightarrow \mu^+ K^+ \pi^- \pi^0$ differential branching fraction. , 2016, 2016, 1.		
284	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
285	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s} = 13, \sqrt{s} = 13 \text{ TeV}$ with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	3.9	2