

# Abner Soffer

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

760  
papers

27,534  
citations

71  
h-index

126  
g-index

794  
ext. papers

33,116  
ext. citations

5.1  
avg, IF

4.17  
L-index

#	Paper	IF	Citations
760	Review of Particle Physics. <i>Progress of Theoretical and Experimental Physics</i> , <b>2020</b> , 2020,	5.4	1112
759	The BABAR detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2002</b> , 479, 1-116	1.2	1077
758	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
757	Observation of a narrow meson state decaying to $D^{(+)}(s)\pi(0)$ at a mass of 2.32 GeV/c(2). <i>Physical Review Letters</i> , <b>2003</b> , 90, 242001	7.4	509
756	Study of the $B \rightarrow J/\psi K$ decay and measurement of the $B \rightarrow X(3872)K$ branching fraction. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	333
755	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
754	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
753	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
752	The Physics of the B Factories. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	233
751	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
750	Determining $\Gamma$ using $B \rightarrow DK$ with multibody D decays. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	231
749	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
748	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	209
747	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
746	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
745	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
744	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188

743	Evidence for D0-D0 mixing. <i>Physical Review Letters</i> , <b>2007</b> , 98, 211802	7.4	186
742	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
741	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4.2	177
740	Luminosity determination in pp collisions at ( $\sqrt{s} = 7$ ) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	167
739	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
738	The Belle II Physics Book. <i>Progress of Theoretical and Experimental Physics</i> , <b>2019</b> , 2019,	5.4	163
737	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
736	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
735	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
734	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
733	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. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
732	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	138
731	Evidence for $X(3872) \rightarrow \psi(2S)\gamma$ in $B(\pm) \rightarrow X(3872)K(\pm)$ decays and a study of $B \rightarrow \text{cc}[\overline{\gamma}K]$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 132001	7.4	134
730	Study of time-dependent CP-violating asymmetries and flavor oscillations in neutral B decays at the LHCb. <i>Physical Review D</i> , <b>2002</b> , 66,	4.9	129
729	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
728	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124
727	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	120
726	Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \tau^+ \tau^-$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	119

725	Observation of a new Ds meson decaying to DK at a mass of 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2006</b> , 97, 222001	7.4	117
724	Search for Invisible Decays of a Dark Photon Produced in e <sup>+</sup> e <sup>-</sup> Collisions at BaBar. <i>Physical Review Letters</i> , <b>2017</b> , 119, 131804	7.4	113
723	Search for charged Higgs bosons decaying via H <sup>±</sup> → t $\bar{t}$ events using pp collision data at ( $\sqrt{s}$ = 7;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	112
722	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
721	Search for the Z(4430) $\bar{t}t$ at BABAR. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	108
720	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 $\sqrt{\text{TeV}}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
719	Search for B <sup>+</sup> →X(3872)K <sup>+</sup> , X(3872)→J/ψ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	106
718	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104
717	Search for doubly charged Higgs bosons in like-sign dilepton final states at ( $\sqrt{s}$ = 7 $\sqrt{\text{TeV}}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
716	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	103
715	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101
714	Study of resonances in exclusive B decays to D $\bar{1}$ (*)D(*)K. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	100
713	Measurement of CP-violating asymmetries in B <sup>0</sup> decays to CP eigenstates. <i>Physical Review Letters</i> , <b>2001</b> , 86, 2515-22	7.4	100
712	Observation of a Charmed Baryon Decaying to D <sub>s</sub> <sup>0</sup> p at a Mass Near 2.94 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2007</b> , 98, 012001	7.4	97
711	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
710	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ( $\sqrt{s}$ =8) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
709	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
708	Observation of an excited charm baryon Omega c* decaying to Omega c0gamma. <i>Physical Review Letters</i> , <b>2006</b> , 97, 232001	7.4	86

707	Measurements of the $B \rightarrow Xs\gamma$ branching fraction and photon spectrum from a sum of exclusive final states. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	86
706	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow cc\bar{K}^{(*)0}$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	84
705	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
704	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
703	Measurement of the B semileptonic branching fraction with lepton tags. <i>Physical Review Letters</i> , <b>1996</b> , 76, 1570-1574	7.4	81
702	Measurement of the Z/ $\gamma^*$ boson transverse momentum distribution in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
701	Observation of the semileptonic decays $B \rightarrow D^* \tau \nu_\tau$ and evidence for $B \rightarrow D \tau \nu_\tau$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 021801	7.4	79
700	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
699	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
698	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
697	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
696	Study of the X(3872) and Y(4260) in $B^0 \rightarrow J/\psi K^0$ and $B^{\pm} \rightarrow J/\psi K^{\pm}$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	76
695	Study of $B \rightarrow X(3872)K$ , with $X(3872) \rightarrow J/\psi \phi$ <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	75
694	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	74
693	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
692	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72
691	Time-integrated and time-dependent angular analyses of $B \rightarrow J/\psi K^0$ A measurement of $\cos 2\phi$ with no sign ambiguity from strong phases. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	72
690	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71

689	Search for a charged partner of the X(3872) in the B meson decay $B \rightarrow X\bar{K}, X\bar{E} \rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	71
688	Observation of a narrow meson decaying to $D_s + \bar{D}$ at a mass of $2.458 \text{ GeV}/c^2$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	71
687	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
686	Searches for scalar leptoquarks in collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
685	Averages of b-hadron, c-hadron, and $(\tau)$ -lepton properties as of 2018. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	68
684	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $(\sqrt{s} = 8 \text{ TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
683	Jet mass and substructure of inclusive jets in $(\sqrt{s} = 7 \text{ TeV})$ pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
682	Search for Higgs boson pair production in the $[ \text{Formula: see text} ]$ final state from collisions at $[ \text{Formula: see text} ] \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
681	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $(\sqrt{s} = 8 \text{ TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-39	5.4	66
680	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4.2	66
679	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $(\sqrt{s} = 8 \text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65
678	Search for T, CP, and CPT violation in $B_0$ - $\bar{B}_0$ mixing with inclusive dilepton events. <i>Physical Review Letters</i> , <b>2006</b> , 96, 251802	7.4	65
677	Measurement of the $B^+ \rightarrow \rho^+ K^+$ branching fraction and study of the decay dynamics. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	65
676	Search for the $(\overline{b})$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	64
675	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $(\sqrt{s} = 8 \text{ TeV})$ proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	64
674	Measurement of the transverse momentum and $[ \text{Formula: see text} ]$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $[ \text{Formula: see text} ] \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
673	Search for resonant diboson production in the $[ \text{Formula: see text} ]$ final state in $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ] \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
672	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4.2	61



671	Study of excited charm-strange baryons with evidence for new baryons $\bar{d}(3055)^+$ and $\bar{d}(3123)^+$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	61
670	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
669	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. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
668	Search for CP violation in the decays $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 061803	7.4	60
667	Measurements of the absolute branching fractions of $B^{+/-} \rightarrow K^{+/-} X(cc)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 052002	7.4	60
666	Measurement of the $\tau$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
665	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \bar{\nu}$ decays. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	59
664	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
663	The Belle II Physics Book. <i>Progress of Theoretical and Experimental Physics</i> , <b>2020</b> , 2020,	5.4	58
662	Direct CP, lepton flavor, and isospin asymmetries in the decays $B \rightarrow K^{(*)} l^+ l^-$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 091803	7.4	58
661	Measurement of the $W \rightarrow \tau \bar{\nu}$ and $Z/\tau \rightarrow \tau \bar{\nu}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	58
660	Evidence for direct CP violation from Dalitz-plot analysis of $B_{\text{CP}}^0 \rightarrow K_{\text{CP}}^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	58
659	A search for $(\overline{t})$ resonances using lepton-plus-jets events in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
658	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ in fully hadronic final states using pp collision data at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	56
657	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
656	Precision measurement and interpretation of inclusive $\tau$ and $\tau \nu_{\tau}$ production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
655	Flavor-Specific Inclusive B Decays to Charm. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1150-1155	7.4	56
654	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4.2	55

653	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	55
652	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	55
651	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	55
650	Measurement of the $B \rightarrow X_s \gamma$ branching fraction and photon energy spectrum using the recoil method. <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	55
649	Exclusive branching-fraction measurements of semileptonic tau decays into three charged hadrons, into $\phi \pi^0 \nu$ tau, and into $\phi K^0 \nu$ tau. <i>Physical Review Letters</i> , <b>2008</b> , 100, 011801	7-4	55
648	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4-2	54
647	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	54
646	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	54
645	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4-2	54
644	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] = 13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4-2	53
643	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4-2	53
642	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	53
641	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	53
640	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4-2	53
639	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	52
638	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4-2	52
637	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4-2	52
636	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4-2	52



635	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	52
634	Observation of $B^+ \rightarrow K^0 K^+$ and $B^0 \rightarrow K^0 K^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171805	7.4	52
633	Dalitz plot analysis of the decay $B^0 \rightarrow K^0 K^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	52
632	Measurement of the branching fraction and photon energy moments of $B \rightarrow Xs \gamma$ and $A(\text{CP})(B \rightarrow X(s+d) \gamma)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171803	7.4	52
631	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
630	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. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	51
629	Collider searches for long-lived particles beyond the Standard Model. <i>Progress in Particle and Nuclear Physics</i> , <b>2019</b> , 106, 210-255	10.6	50
628	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. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	50
627	Evidence for the ( $H \rightarrow b\bar{b}$ ) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
626	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50
625	Observation of the decay $B \rightarrow J/\psi \eta$ and search for $X(3872) \rightarrow J/\psi \eta$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 041801	7.4	50
624	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ( $\sqrt{s}=13$ ) (text {TeV}) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
623	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
622	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49
621	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49
620	Search for resonances in diphoton events at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	49
619	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4.2	49
618	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48

617	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
616	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
615	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb of ( $\sqrt{s} = 7$ ; TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	48
614	Study of $B \rightarrow D^{(*)} s J + D^{(*)}$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 181801	7.4	48
613	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s} = 13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	48
612	Measurement of the prompt [Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4.2	47
611	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47
610	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	47
609	Measurements of $B(B \rightarrow \bar{c} + p)$ and $B(B \rightarrow \bar{c} + p)$ and studies of $\bar{c} + p$ resonances. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	47
608	Effect of $D \bar{D}$ mixing on the measurement of $\Gamma$ in $B \rightarrow DK$ decays. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	47
607	First observation of the decay $\tau \rightarrow K \eta \nu \tau$ . <i>Physical Review Letters</i> , <b>1996</b> , 76, 4119-4123	7.4	47
606	Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4.2	46
605	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4.2	46
604	Search for lepton-flavour-violating $H \rightarrow \bar{\nu} \nu$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	46
603	Study of $B_0 \rightarrow \bar{c} \bar{c} \bar{c}$ decays and constraints on the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	46
602	Measurements of branching fractions and CP-violating asymmetries in $B_0 \rightarrow \rho^{+/-} h^{+/-}$ decays. <i>Physical Review Letters</i> , <b>2003</b> , 91, 201802	7.4	46
601	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. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	45
600	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s} = 8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	45

599	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	45
598	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4-2	45
597	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7\text{;}\mathrm{TeV}$ ) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
596	Observation of High Momentum $\chi$ Production in B Decays. <i>Physical Review Letters</i> , <b>1998</b> , 81, 1786-1790	7-4	45
595	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4-2	44
594	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4-2	44
593	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7\text{;}\mathrm{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	44
592	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	44
591	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	44
590	Impact of $D^0\bar{D}^0$ mixing on the experimental determination of $\chi$ <i>Physical Review D</i> , <b>2000</b> , 61,	4-9	44
589	Angular analysis of $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	44
588	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	43
587	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. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	43
586	Measurements of the semileptonic decays $B^0 \rightarrow D^+ \mu^-$ and $B^0 \rightarrow D^{*+} \mu^-$ using a global fit to $D^+ \mu^-$ final states. <i>Physical Review D</i> , <b>2009</b> , 79,	4-9	43
585	Determination of the form factors for the decay $B^0 \rightarrow D^{*+} \mu^-$ and of the CKM matrix element $ V_{cb} $ . <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	43
584	Measuring $\chi$ in $B^0 \rightarrow K^0(K^*)D$ decays. <i>Physical Review D</i> , <b>2003</b> , 67,	4-9	43
583	ATLAS b-jet identification performance and efficiency measurement with ( $t\bar{t}$ ) events in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	43
582	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4-2	42

581	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
580	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
579	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 [Interpreted in the phenomenological MSSM]. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
578	Dalitz plot analysis of $B_{\mu} \rightarrow \mu \mu \mu$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	42
577	Study of $B^0 \rightarrow \mu \mu$ , $B_{\mu} \rightarrow \mu \mu$ , and $B_{\mu} \rightarrow K \mu \mu$ decays, and isospin analysis of $B \rightarrow \mu$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
576	Measurement of the $B \rightarrow K \mu \mu$ branching fraction. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
575	Measurement of the hadronic form factor in $D^0 \rightarrow K \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
574	Search for heavy resonances in the and final states using proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41
573	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	41
572	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
571	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s} = 7 \text{ TeV}$ ) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	41
570	Dalitz plot analysis of $B_{\mu} \rightarrow D^+ \mu$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	41
569	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho K^*$ and $B \rightarrow f_0(980) K^*$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201801	7.4	41
568	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	40
567	Measurement of the inclusive electron spectrum in charmless semileptonic B decays near the kinematic end point and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	40
566	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	39
565	Search for supersymmetry at ( $\sqrt{s}$ ) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	39
564	A search for ( $\overline{t}$ ) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	39

563	Observation of Upsilon(4S) decays to $\pi^+\pi^-\Upsilon(1S)$ and $\pi^+\pi^-\Upsilon(2S)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 232001	7.4	39
562	Observation of B0 meson decay to a $1^-(1260)\pi^+$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 051802	7.4	39
561	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	39
560	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	38
559	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	38
558	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
557	Measurement of the B $\rightarrow$ D Branching Fractions and Form Factor. <i>Physical Review Letters</i> , <b>1999</b> , 82, 3746-3750	3.7	38
556	Limits on flavor changing neutral currents in D0 meson decays. <i>Physical Review Letters</i> , <b>1996</b> , 76, 3065-3069	3.0	38
555	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ( $\sqrt{s} = 13$ ) (text {TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	37
554	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
553	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	37
552	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+\tau^-$ decay mode in ( $\sqrt{s} = 7, \text{TeV}$ ) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
551	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
550	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7\sim\text{TeV}$ ) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	37
549	Time-dependent amplitude analysis of $B^0 \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	37
548	Charged-particle distributions at low transverse momentum in [Formula: see text]TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37
547	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36
546	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at ( $\sqrt{s} = 8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	36

545	Time-dependent and time-integrated angular analysis of $B \rightarrow \bar{K}S^0$ and $\bar{K}^*0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
544	Observation of the decay $B^+ \rightarrow K^+K^-\pi^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 221801	7.4	36
543	Measurement of CP asymmetries in $B^0 \rightarrow \bar{K}^0$ and $B^0 \rightarrow K^+K^-\pi^0$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	36
542	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B^0\bar{B}^0$ oscillations. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	36
541	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
540	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
539	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
538	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
537	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
536	Study of the $D_sJ^*(2317)^+$ and $D_sJ(2460)^+$ mesons in inclusive $cc$ production near $\sqrt{s}=10.6 \text{ GeV}$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	35
535	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. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	34
534	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
533	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34
532	Measurement of $D^0$ - $\bar{D}^0$ mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+\pi^-\pi^0$ decays. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211801	7.4	34
531	Search for the decay $B^+ \rightarrow K^+\nu$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 101801	7.4	34
530	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4.2	34
529	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4.2	33
528	Measurement of decay amplitudes of $B \rightarrow J/\psi^*, (\psi^*)K^*$ , and $\bar{D}^1K^*$ with an angular analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	33



527	Improved measurements of the branching fractions for $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow K^+ K^-$ and a search for $B^0 \rightarrow K^+ K^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	33
526	Search for lepton flavor violating decays $\tau(\pm) \rightarrow l(\pm) \pi^0$ , $l(\pm) \eta$ , $l(\pm) \eta'$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061803	7.4	33
525	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at ( $\sqrt{s}=8$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	33
524	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
523	Search for charged Higgs bosons decaying via $H \rightarrow \mu\mu$ in the $\mu$ jets and $\mu$ lepton final states with 36 fb <sup>-1</sup> of pp collision data recorded at ( $\sqrt{s}=13$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
522	Measurement of the top quark mass in the [Formula: see text] and [Formula: see text] channels using [Formula: see text][Formula: see text] ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4.2	32
521	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=8$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4.2	32
520	Study of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- K^0$ decays at BABAR. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	32
519	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+ K^- K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 161802	7.4	32
518	Search for lepton-flavor and lepton-number violation in the decay $\tau(\pm) \rightarrow l(\pm) h(\pm) h'(\pm)$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 191801	7.4	32
517	Investigation of Semileptonic B Meson Decays to p-Wave Charm Mesons. <i>Physical Review Letters</i> , <b>1998</b> , 80, 4127-4131	7.4	32
516	Search for pair production of Higgs bosons in the ( $\overline{b}b$ ) final state using proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
515	Constraints on mediator-based dark matter and scalar dark energy models using ( $\sqrt{s}=13$ ) TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
514	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
513	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ( $\sqrt{s}=7$ ) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	31
512	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	31
511	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	31
510	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	31

509	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	31
508	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7\text{TeV}$ ) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
507	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
506	Measurement of CP violation parameters with a Dalitz plot analysis of $B_{\pm} \rightarrow D\pi^{\pm}\pi^0 K_{\pm}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251801	7.4	31
505	Measurements of the decays $\tau \rightarrow h+h-\nu\tau$ and $\tau \rightarrow h+h-\pi^0\nu\tau$ . <i>Physical Review Letters</i> , <b>1995</b> , 75, 3809-3813	7.4	31
504	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	31
503	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	30
502	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	30
501	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ( $\sqrt{s}=8$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
500	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	30
499	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. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	30
498	Amplitude analysis of the decay $B_{\pm} \rightarrow \pi^{\pm}\pi^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
497	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B(0-0)B$ oscillations. <i>Physical Review Letters</i> , <b>2004</b> , 92, 181801	7.4	30
496	Precision measurement of the $\Xi^+$ baryon mass. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
495	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	30
494	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29
493	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
492	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	29

491	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
490	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
489	Study of $B \rightarrow D^{(*)} D_s(J)^{(*)}$ decays and measurement of $D_s$ and $D_s J(2460)$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	29
488	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
487	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
486	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
485	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
484	Measurement of the branching fractions of $B \rightarrow D^{**}(\ell) \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 101, 261802	7.4	28
483	Search for $D^0 \bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
482	Measurement of CP-violating asymmetries in $B^0 \rightarrow \ell \bar{\ell}$ using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
481	Evidence for the $B^0 \rightarrow p \bar{p} K^{*0}$ and $B^+ \rightarrow \bar{p} K^{*+}$ decays and study of the decay dynamics of B meson decays into $p \bar{p} h$ final states. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
480	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
479	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
478	Fiducial, total and differential cross-section measurements of $\gamma$ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27
477	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	27
476	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
475	Search for the rare decay $B^0 \rightarrow \tau^+ \tau^-$ at BABAR. <i>Physical Review Letters</i> , <b>2006</b> , 96, 241802	7.4	27
474	Decays of tau leptons to final states containing K <sup>0S</sup> mesons. <i>Physical Review D</i> , <b>1996</b> , 53, 6037-6053	4.9	27

473	Study of the rare decays of $[Formula: see text]$ and $[Formula: see text]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4.2	27
472	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
471	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
470	Measurement of $t\bar{t}$ and $t\bar{t}2$ production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
469	Measurements of the production cross section of a $[Formula: see text]$ boson in association with jets in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
468	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. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	26
467	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. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
466	Measurement of semileptonic B decays into orbitally excited charmed mesons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 051803	7.4	26
465	Measurement of branching fractions and charge asymmetries for exclusive B decays to charmonium. <i>Physical Review Letters</i> , <b>2005</b> , 94, 141801	7.4	26
464	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
463	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
462	Multi-channel search for squarks and gluinos in $[Formula: see text]$ collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25
461	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
460	Search for $[Formula: see text]$ decays in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
459	Study of hadronic transitions between $B_s$ states and observation of $(B_s) \rightarrow (B_s)$ decay. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
458	Dalitz plot analysis of the decay $B_0(B^0) \rightarrow K_B^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
457	Study of the decay $D_{s^+} \rightarrow K^+ K_B^+ B^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
456	Measurements of CP-violating asymmetries in $B_0 \rightarrow a_1^+ / -(1260)\pi^- / +$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 181803	7.4	25

455	Measurement of the $B^0 \rightarrow D^* D_s^{*+}$ and $D_s^{*+} \rightarrow ?$ branching fractions. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	25
454	Measuring the weak phase $\Gamma_n$ in color allowed $B \rightarrow DK$ decays. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	25
453	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
452	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
451	Search for $B^+ \rightarrow K^+ \bar{K}^+ \bar{K}^-$ at the BaBar Experiment. <i>Physical Review Letters</i> , <b>2017</b> , 118, 031802	7.4	24
450	Measurement of the top quark mass in the ( $\bar{t} \rightarrow$ ) lepton+jets channel from ( $\sqrt{s}=8$ ) TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
449	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
448	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
447	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
446	Measurement of the differential cross-section of $B +$ meson production in pp collisions at ( $\sqrt{s}=7$ ) TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24
445	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> , <b>2012</b> , 72, 1	4.2	24
444	Measurement of time dependent CP asymmetry parameters in $B^0$ meson decays to $\bar{K}S^0$ , $\bar{K}K^0$ , and $\bar{K}KS^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	24
443	Measurement of the branching fraction, polarization, and CP asymmetries in $B^0 \rightarrow \bar{D}D$ decay, and implications for the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	24
442	Amplitude analysis of the $B^+ \rightarrow \phi K^*(892)^+ \pi^0$ decay. <i>Physical Review Letters</i> , <b>2007</b> , 99, 201802	7.4	24
441	Measurement of branching fractions and charge asymmetries in $B^+ \rightarrow \rho^+ \pi^0$ and $B^+ \rightarrow \rho^0 \pi^+$ decays, and search for $B^0 \rightarrow \rho^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 051802	7.4	24
440	Measurement of the $B^0 \rightarrow K_2^*(1430)^0 \pi^0$ and $B^+ \rightarrow K_2^*(1430)^+ \pi^0$ branching fractions. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	24
439	Search for the decay $B^0 \rightarrow p \bar{p}$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	24
438	Measurement of $B^0$ - $\bar{B}^0$ flavor oscillations in hadronic $B^0$ decays. <i>Physical Review Letters</i> , <b>2002</b> , 88, 221802	4.2	24



437	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24
436	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
435	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
434	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	23
433	Search for CP violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	23
432	Using untagged $B_0 \rightarrow D^* \tau \bar{\nu}_\tau$ to determine $\sin(2\beta)$ <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	23
431	Measurement of time-dependent CP-violating asymmetries and constraints on $\sin(2\beta)$ with partial reconstruction of $B \rightarrow D^* \tau \bar{\nu}_\tau$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	23
430	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
429	Search for Higgs boson pair production in the $(\gamma\gamma b\bar{b})$ final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
428	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4.2	23
427	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4.2	22
426	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
425	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
424	Search for W W/W Z resonance production in $b\bar{q}$ final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
423	A search for prompt lepton-jets in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
422	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
421	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
420	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22



4 <sup>19</sup>	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow Xc\ell$ <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	22
4 <sup>18</sup>	Measurements of $B \rightarrow \{\pi, \eta, \eta', \dots\} \ell \nu_{\ell}$ branching fractions and determination of $ V_{ub} $ with semileptonically tagged B mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 081801	7.4	22
4 <sup>17</sup>	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
4 <sup>16</sup>	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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
4 <sup>15</sup>	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
4 <sup>14</sup>	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
4 <sup>13</sup>	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21
4 <sup>12</sup>	Observation and polarization measurements of $B^{\pm} \rightarrow \phi K^{\pm}$ and $B^{\pm} \rightarrow \phi K^{\pm *}$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 161801	7.4	21
4 <sup>11</sup>	Observation of $B_s \rightarrow K^* K^0$ and Search for $B_s \rightarrow K^* K^* K^0$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 081801	7.4	21
4 <sup>10</sup>	Study of hard double-parton scattering in four-jet events in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
4 <sup>09</sup>	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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
4 <sup>08</sup>	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
4 <sup>07</sup>	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
4 <sup>06</sup>	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
4 <sup>05</sup>	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
4 <sup>04</sup>	Measurement of angular asymmetries in the decays $B \rightarrow K^* \mu \mu$ <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	20
4 <sup>03</sup>	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
4 <sup>02</sup>	Searches for heavy diboson resonances in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20

401	Measurement of ( $W^{\pm}Z$ ) production cross sections and gauge boson polarisation in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20
400	Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
399	Improved measurement of $B^+ \rightarrow \rho^+ \rho^0$ and determination of the quark-mixing phase angle $\alpha$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 141802	7.4	20
398	Searches for the decays $B^0 \rightarrow \mu^+ \mu^-$ and $B^+ \rightarrow \mu^+ \nu_l$ using hadronic tag reconstruction. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	20
397	Evidence for CP violation in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , <b>2008</b> , 101, 021801	7.4	20
396	Measurement of the branching fractions of exclusive $B \rightarrow D^{(*)}(\pi) l \nu_l$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 100, 151802	7.4	20
395	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)} D \pi^{(*)}$ , and implications for the Cabibbo-Kobayashi-Maskawa angle $\beta$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	20
394	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^{*+} D^{*0} K_S^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
393	Determination of $ V_{ub} $ from measurements of the electron and neutrino momenta in inclusive semileptonic B decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 111801	7.4	20
392	Search for new resonances in mass distributions of jet pairs using 139 fb $^{-1}$ of pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
391	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
390	Measurement of the boson polarisation in $B \rightarrow \mu^+ \mu^- \gamma$ events from collisions at ( $\sqrt{s} = 8$ TeV) in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
389	Performance of top-quark and ( $W$ )-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
388	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
387	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
386	Isospin analysis of $D^0$ decay to three pions. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
385	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow K_S^0 \pi^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
384	Estimate of the branching fraction $B \rightarrow \mu^+ \mu^- \gamma$ , and nonstandard weak interactions. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19

383	Study of B-meson decays to $\bar{D}K^*$ , $\bar{D}(2S)K^*$ , and $\bar{D}K^*$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
382	Measurement of CP-violating asymmetries in $B^0 \rightarrow D^{*+} D^{*-}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 071801.	4.4	19
381	Measurement of the $B^0$ - $\bar{B}^0$ oscillation frequency with inclusive dilepton events. <i>Physical Review Letters</i> , <b>2002</b> , 88, 221803	7.4	19
380	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
379	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
378	Search for long-lived neutral particles in pp collisions at ( $\sqrt{s} = 13$ TeV) that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18
377	Searches for third-generation scalar leptoquarks in ( $\sqrt{s} = 13$ TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
376	Measurement of the underlying event in jet events from 7 (TeV) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	18
375	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
374	Measurement of the low-mass Drell-Yan differential cross section at ( $\sqrt{s} = 7$ TeV) using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
373	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
372	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
371	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ( $\sqrt{s} = 8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5.4	18
370	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
369	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	18
368	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s} = 7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	18
367	An estimate of the branching fraction of $B \rightarrow \tau \nu$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	18
366	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a $K^*$ meson. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201802	7.4	18

365	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)} \mu \mu$ and $B^0 \rightarrow D \mu \mu$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	18
364	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
363	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $\bar{q}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
362	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
361	Measurement of polarization in $\rightarrow$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
360	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
359	Search for the rare decay $B \rightarrow \pi l^+ l^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 051801	7.4	17
358	Measurement of $\cos 2\beta$ in $B_{(s)}^0 \rightarrow D_{(s)}^{(*)} h_{(s)}^0$ decays with a time-dependent Dalitz plot analysis of $D \rightarrow K_{(s)}^0 \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 231802	7.4	17
357	Rare B decays into states containing a J/psi meson and a meson with s(-)s quark content. <i>Physical Review Letters</i> , <b>2003</b> , 91, 071801	7.4	17
356	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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	17
355	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{s}=13$ TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
354	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
353	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
352	Search for the Standard Model Higgs boson decaying into ( $\bar{b}b$ ) produced in association with top quarks decaying hadronically in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
351	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
350	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
349	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
348	Measurement of the ( $\bar{t}W$ ) and ( $\bar{t}Z$ ) production cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16

347	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
346	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
345	Measurement of the production cross-section of $(ZS) \rightarrow J/\psi + \mu\mu$ in pp collisions at ( $\sqrt{s}$ ) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
344	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s}=7;\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
343	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	16
342	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
341	Search for the Higgs boson produced in association with a boson and decaying to four -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16
340	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
339	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> , <b>2019</b> , 79, 1	4.2	16
338	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ( $\sqrt{s_{\text{NN}}} = 5.02 \sim 8 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
337	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
336	Determination of spin and parity of the Higgs boson in the [Formula: see text] decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 231	4.2	15
335	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
334	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. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
333	Measurements of $(ZS)$ and $X(3872) \rightarrow J/\psi + \mu\mu$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
332	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
331	Determination of the top-quark pole mass using ( $\overline{t}$ ) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	15
330	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15



329	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	15
328	Measurement of the decay $B(-) \rightarrow D^{*0} e(-) \nu_{\overline{e}}$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 231803	7.4	15
327	Observation of $B^{*+} \rightarrow a_1(1260) K_0$ and $B_0 \rightarrow a_1(1260) K^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051803	7.4	15
326	Observation of tree-level B decays with ss production from gluon radiation. <i>Physical Review Letters</i> , <b>2008</b> , 100, 171803	7.4	15
325	Search for lepton flavor violating decays $\tau_{+/-} \rightarrow l_{+/-} \omega$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 071802	7.4	15
324	Observation of B Meson decays to $b_1 \pi$ and $b_1 K$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 241803	7.4	15
323	Measurement of $B_{D^*} \rightarrow D^{*0} K_{S^*}^0$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	15
322	Measurement of the B(0) and B(+) meson lifetimes with fully reconstructed hadronic final states. <i>Physical Review Letters</i> , <b>2001</b> , 87, 201803	7.4	15
321	Study of 3-prong hadronic $B_c$ decays with charged kaons. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	15
320	First Observation of the Decay $B_c \rightarrow K^* \pi$ <i>Physical Review Letters</i> , <b>1999</b> , 82, 281-285	7.4	15
319	Search for Nonresonant $B^{*+} \rightarrow h^+ h^+ h^+$ Decays. <i>Physical Review Letters</i> , <b>1996</b> , 77, 4503-4507	7.4	15
318	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. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
317	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
316	Measurement of the $[ \text{Formula: see text} ]$ and $[ \text{Formula: see text} ]$ production cross sections in multilepton final states using 3.2 fb $[ \text{Formula: see text} ]$ of $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
315	Measurements of electroweak $[ \text{Formula: see text} ]$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
314	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> , <b>2019</b> , 2019, 1	5.4	14
313	Measurement of the $( \overline{t} )$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
312	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14



311	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $(\sqrt{s}) = 8$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14
310	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14
309	Search for charged Higgs bosons through the violation of lepton universality in $(\overline{t}t)$ events using pp collision data at $(\sqrt{s}=7)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
308	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
307	A search for $[Formula: see text]$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
306	Measurements of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)}D^{(*)}$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
305	Observation of B meson decays to $K^*$ and improved measurements for $B^0$ and $B^+$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
304	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow D^0 K^0$ decays. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
303	Search for the rare leptonic decays $B^+ \rightarrow l^+ \nu_l$ ( $l=e, \mu$ ). <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
302	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
301	Search for decays of $B^0$ mesons into $e^+e^-$ and $e\mu$ final states. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	14
300	Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to $K^0, \overline{K}^0, K^+, K^-, K_S^0, K_L^0, K^*$ , and $\overline{K}^*$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	14
299	Measurement of the $B^0$ lifetime and the $B^0B^0$ oscillation frequency using partially reconstructed $B^0 \rightarrow D^* + \pi^0$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	14
298	Search for $B^+ \rightarrow \tau^+ \nu_\tau$ and $B^0 \rightarrow \tau^0 \nu_\tau$ decays. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	14
297	Search for flavor-changing neutral current and Lepton-flavor violating decays of $D^0 \rightarrow l^+ l^-$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 191801	7.4	14
296	Measurement of $B^0 \rightarrow D_s^{(*)} D^{(*)}$ branching fractions and $B^0 \rightarrow D_s^{(*)} D^{(*)}$ polarization with a partial reconstruction technique. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	14
295	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> , <b>2019</b> , 79, 1	4.2	14
294	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14

293	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
292	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13
291	Search for top-quark decays $t \rightarrow Hq$ with 36 fb <sup>-1</sup> of pp collision data at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	13
290	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\bar{\nu}$ with the ATLAS detector at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
289	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
288	Identification of high transverse momentum top quarks in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
287	Addendum to 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 ( $\text{TeV}$ ) with the ATLAS detector [ <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
286	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4.2	13
285	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
284	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. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
283	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $(\sqrt{s} = 7 \sim \text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
282	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
281	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	13
280	Search for $B_0 \rightarrow ?(K^+)$ decays with large $K^+$ invariant mass. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
279	Measurement of branching fractions and resonance contributions for $B_0 \rightarrow D_0 K^+ \pi^-$ and search for $B_0 \rightarrow D_0 K^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 96, 011803	7.4	13
278	Measurement of the ratio $B(B \rightarrow D^* 0 K^+) / B(B \rightarrow D^* 0 K^0)$ and of the CP asymmetry of $B \rightarrow D^* CP^+ 0 K^+$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	13
277	Search for B-meson decays to two-body final states with $a_0(980)$ mesons. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	13
276	Study of $B^+ / \rightarrow J/\psi \pi^+ / -$ and $B^+ / \rightarrow J/\psi K^+ / -$ decays: measurement of the ratio of branching fractions and search for direct CP violation. <i>Physical Review Letters</i> , <b>2004</b> , 92, 241802	7.4	13

275	Evidence for $B \rightarrow J/\psi(-)\Lambda$ ; and search for $B_0 \rightarrow J/\psi(-)p$ . <i>Physical Review Letters</i> , <b>2003</b> , 90, 231801	4.1	13
274	Searching for a sterile neutrino that mixes predominantly with $\bar{B}$ at B factories. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	13
273	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> , <b>2020</b> , 2020, 1	5.4	13
272	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. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
271	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	13
270	Measurements of top-quark pair differential and double-differential cross-sections in the $(\ell\ell)+jets$ channel with pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	13
269	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
268	Measurements of W and Z boson production in pp collisions at $(\sqrt{s}=5.02)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
267	Measurement of the $W W + W Z$ 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. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
266	Higgs boson production cross-section measurements and their EFT interpretation in the $(4\ell)$ decay channel at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	12
265	Search for new phenomena with photon+jet events in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
264	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
263	Search for strong gravity in multijet final states produced in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
262	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 232	4.2	12
261	Search for anomalous couplings in the $W tb$ vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
260	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
259	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
258	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12

257	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
256	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
255	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \mu\mu$ in ( $\sqrt{s}=13$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
254	Measurements of top quark spin observables in ( $\overline{t}$ ) events using dilepton final states in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
253	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ mbox{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
252	Search for the decay $B^+ \rightarrow K_S^0 K_S^0 \mu^+$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	12
251	Search for the highly suppressed decays $B^0 \rightarrow K^+ \mu^-$ and $B^0 \rightarrow K^+ \mu^- \mu^+$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	12
250	Evidence for charged B meson decays to $a_1^{+/-}(1260)\pi^0$ and $a_1(0)(1260)\pi^{+/-}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 261801	7.4	12
249	Study of the decay $B^0 \rightarrow D^{*+} \mu^-$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
248	Search for the decay $B^0 \rightarrow a_1 \mu^+$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
247	Measurement of the branching fraction of $\Gamma(4S) \rightarrow B^0 B^0$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 042001.	4.4	12
246	Radiative decay modes of the $D^0$ meson. <i>Physical Review D</i> , <b>1998</b> , 58,	4.9	12
245	Measurement of the top-quark mass in ( $\overline{t}$ ) + 1-jet events collected with the ATLAS detector in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
244	Measurement of the spectral function for the $B^0 \rightarrow K^+ K^- S^0$ decay. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	12
243	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ( $\sqrt{s}=8$ ~text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
242	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
241	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13~text {TeV}\$. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
240	Measurement of lepton differential distributions and the top quark mass in production in collisions at 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11

239	Probing the $Wtb$ vertex structure in $t$ -channel single-top-quark production and decay in $pp$ collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
238	Study of $W$ and $Z$ production in collisions at $\sqrt{s}=13$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4.2	11
237	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $(\sqrt{s}=7)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
236	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. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
235	Measurement of $W$ and $Z$ production in proton-proton collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
234	Measurement of the branching fractions of the radiative charm decays $D_0 \rightarrow K^* \pi^0$ and $D_0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
233	Measurements of the branching fractions of $B_0 \rightarrow K^* K + K \pi$ , $B_0 \rightarrow K^* \pi$ , $B_0 \rightarrow K^* K + \pi$ and $B_0 \rightarrow K^* \pi \pi$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
232	Measurement of the $B_{\Xi} \rightarrow \Xi \pi$ branching fraction and direct CP asymmetry. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	11
231	Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
230	Search for factorization-suppressed $B \rightarrow \chi(c)K^*$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 94, 171801	7.4	11
229	Jet energy scale and resolution measured in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	11
228	Measurement of the cross-section for producing a $W$ boson in association with a single top quark in $pp$ collisions at $(\sqrt{s}=13)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
227	Time-dependent analysis of $B_0 \rightarrow K_S^0 \pi^0$ decays and studies of the $K^+ \pi^-$ system in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	10
226	A search for top squarks with $R$ -parity-violating decays to all-hadronic final states with the ATLAS detector in $(\sqrt{s}=8)$ TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
225	Measurement of the CP-violating phase $\phi_s$ and the $B_0$ meson decay width difference with $B_0 \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
224	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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
223	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4.2	10
222	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10

221	B-meson decays into final states with a lepton. <i>Modern Physics Letters A</i> , <b>2014</b> , 29, 1430007	1.3	10
220	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
219	Improved limits on lepton-flavor-violating tau decays to $l\phi$ , $l\rho$ , $lK$ , and $l\bar{K}$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 021801	7.4	10
218	Constraints on the CKM angle $\gamma$ in $B^0 \rightarrow D^0 K^*0$ and $B^0 \rightarrow D^0 K^*0$ from a Dalitz analysis of $D^0$ and $D^0$ decays to $KS^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10
217	Measurement of the branching fractions of the rare decays $B^0 \rightarrow Ds^*(*) + \ell$ and $B^0 \rightarrow Ds^*(*) K^*$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
216	Observation of $B^+ \rightarrow b1 + K^0$ and search for B-meson decays to $b10K^0$ and $b1\bar{0}$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
215	Search for neutral B-meson decays to $a_0 \rho$ , $a_0 K$ , $\bar{0}$ , and $\bar{0}$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	10
214	Measurement of CP asymmetry in $B^0 \rightarrow Ks^0 \bar{0}$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	10
213	Branching fraction measurements of charged B decays to $K^* + K + K$ and $K^* + K + K$ and $K^* + K + K$ final states. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
212	Measurement of branching fractions in radiative B decays to $K^* \bar{0}$ and search for B decays to $\bar{0} K^*$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
211	Study of high momentum eta' production in $B \rightarrow \eta' Xs$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 061801	7.4	10
210	Measurement of the branching fractions and CP asymmetry of $B^0 \rightarrow D(0) K^*$ decays with the BABAR detector. <i>Physical Review Letters</i> , <b>2004</b> , 92, 202002	7.4	10
209	Simultaneous measurement of the $B^0$ meson lifetime and mixing frequency with $B^0 \rightarrow D^* \ell$ decays. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	10
208	Measurement of the inclusive electron spectrum from B meson decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	9
207	Measurement of the ZZ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV using the $ZZ \rightarrow \mu\mu +$ and $(ZZ \rightarrow \ell\ell + \nu \bar{\nu})$ decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
206	Measurement of charged-particle distributions sensitive to the underlying event in $(\sqrt{s}=13)$ TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
205	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in $20 \text{ fb}^{-1}$ of $(\sqrt{s}) = 8$ TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
204	Measurement of the $B^+ \rightarrow \ell^+ \bar{0}$ and $B^+ \rightarrow \ell^+ \bar{0}$ branching fractions. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	9



203	Search for Lepton Flavor Violating Decays $B \rightarrow K s_0$ with the BABAR Experiment. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	9
202	Measurements of branching fractions for $B^+ \rightarrow \mu^+ B_0^0$ and $B_0^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
201	Observation of $B^+ \rightarrow \mu^+ \nu_\mu$ and search for $B_0$ decays to $\mu^+ \mu^-$ , $\mu^0$ , and $\mu^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
200	Search for the decay $B^+ \rightarrow K^*0(892)K^+$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
199	Branching fraction measurement of $B^0 \rightarrow D^*(*) \mu^+ \mu^-$ and $B^+ \rightarrow D^*(*)0 \mu^+ \mu^-$ and isospin analysis of $B^+ \rightarrow D^*(*) \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	9
198	Branching fraction measurements of $B \rightarrow \mu^+ K$ decays. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	9
197	Search for the decay $B_0 \rightarrow J/\psi \mu^+ \mu^-$ <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	9
196	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
195	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
194	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
193	Extraction of form Factors from a Four-Dimensional Angular Analysis of $B \rightarrow D^* \mu^+ \mu^-$ <i>Physical Review Letters</i> , <b>2019</b> , 123, 091801	7.4	8
192	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
191	Measurement of $VH, (\mathbf{H}) \rightarrow \mathbf{b} \overline{\mathbf{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
190	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
189	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
188	Measurement of the integrated luminosity of the Phase 2 data of the Belle II experiment. <i>Chinese Physics C</i> , <b>2020</b> , 44, 021001	2.2	8
187	Observation of $B \rightarrow D^*(*) \mu^+ \mu^- \mu^+ \mu^-$ Decays in $e^+ e^-$ Collisions at the $\Upsilon(4S)$ Resonance. <i>Physical Review Letters</i> , <b>2016</b> , 116, 041801	7.4	8
186	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8

185	Search for scalar resonances decaying into $\mu\mu$ in events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
184	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
183	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
182	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
181	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
180	Measurement of the absolute branching fraction of $D_0 \rightarrow K\pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051802	4.4	8
179	Searches for B meson decays to $\phi\phi$ , $\phi\rho$ , $\phi f_{(980)}$ , and $f_{(980)}f_{(980)}$ final states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 201801	7.4	8
178	Measurement of the absolute branching fractions $B \rightarrow D^* D^{*\bar{c}}$ with a missing mass method. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
177	Search for $B \rightarrow J/\psi D$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	8
176	Measurement of the branching fraction and polarization for the decay $B \rightarrow D^* K^{*-}$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 141801	7.4	8
175	Measurement of $B(D_0 \rightarrow K^*)$ Using Partial Reconstruction of $B \rightarrow D^* X$ <i>Physical Review Letters</i> , <b>1998</b> , 80, 3193-3197	7.4	8
174	Evidence for $(\bar{t}t)$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
173	Search for light long-lived neutral particles produced in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
172	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
171	Measurements of top-quark pair spin correlations in the $(e\mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
170	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
169	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^-e^+e^-)$ and $(e^+e^-e^+\nu_{\bar{\nu}})$ final states using $139 \text{ fb}^{-1}$ of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	8
168	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8

167	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
166	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
165	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
164	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	8
163	Measurements of inclusive and differential fiducial cross-sections of ( $t\bar{t}\gamma$ ) production in leptonic final states at ( $\sqrt{s}=13$ ~text {TeV}) in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
162	Search for a Stable Six-Quark State at BABAR. <i>Physical Review Letters</i> , <b>2019</b> , 122, 072002	7.4	7
161	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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
160	Transverse momentum and process dependent azimuthal anisotropies in ( $\sqrt{s_{\text{NN}}}$ )=8.16) TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
159	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13~TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
158	Measurement of the neutral D meson mixing parameters in a time-dependent amplitude analysis of the $D^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	7
157	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text]~TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
156	Measurement of differential cross sections and $W^+/W^-$ cross-section ratios for W boson production in association with jets at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
155	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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
154	Measurement of the ( $t\bar{t}\gamma$ ) production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
153	Measurements of top-quark pair to Z-boson cross-section ratios at ( $\sqrt{s}=13$ ) , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
152	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
151	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( $\sqrt{s}=13$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
150	Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7

149	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the $t$ -channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
148	Time-dependent Dalitz plot analysis of $B_0 \rightarrow D^* K_0^0$ decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	7
147	Measurement of ratios of branching fractions and CP-violating asymmetries of $B_{\pm} \rightarrow D^* K_{\pm}^0$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	7
146	Observation of $B^+ \rightarrow \pi^0 K^0$ and measurement of its branching fraction and charge asymmetry. <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	7
145	Measurement of $B$ decays to $\pi^0 K^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4-9	7
144	Search for the $W$ -exchange decays $B_0 \rightarrow D_s^{(*)} D_s^{(*)+}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4-9	7
143	Search for rare quark-annihilation decays, $B_{\pm} \rightarrow D_s^{(*)} \pi^{\pm}$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4-9	7
142	Search for the decay of a $B_0$ or $B^0$ meson to $K^* K^0$ or $K^* K^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4-9	7
141	Measurement of the transverse momentum distribution of dilepton pairs in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	7
140	Search for type-III seesaw heavy leptons in dilepton final states in $pp$ collisions at $(\sqrt{s} = 13, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	7
139	Search for a heavy Higgs boson decaying into a $Z$ boson and another heavy Higgs boson in the $(\ell\ell b\bar{b})$ and $(\ell\ell WW)$ final states in $pp$ collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	7
138	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4-2	7
137	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4-2	7
136	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4-2	7
135	Measurement of $(W^{\pm} \mu^{\pm})$ boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02 \sim \text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	7
134	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, $b$ -jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	7
133	Measurements of $WH$ and $ZH$ production in the $(H \rightarrow b\bar{b})$ decay channel in $pp$ collisions at $(13, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	7
132	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4-2	6

131	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
130	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
129	Top-quark mass measurement in the all-hadronic ( $\overline{t}$ ) decay channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
128	Observation of $B_0 \rightarrow \overline{D}^0 K^0$ and evidence for $B^+ \rightarrow \overline{D}^0 K^+$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	6
127	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 091801	7.4	6
126	Search for the radiative decay $B_0 \rightarrow \gamma \overline{D}^0 K^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	6
125	Measurement of the $B \rightarrow D^0 K^* \overline{D}^0 K^*$ branching fraction. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	6
124	A perturbation theory for long-range interactions of the coulomb type. <i>Letters in Mathematical Physics</i> , <b>1983</b> , 7, 163-169	1.2	6
123	Completeness of wave operators in relativistic quantum mechanics. <i>Letters in Mathematical Physics</i> , <b>1984</b> , 8, 517-527	1.2	6
122	Search for ( $\overline{t}$ ) resonances in fully hadronic final states in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
121	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
120	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
119	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
118	Long-lived light neutralinos at Belle II. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
117	Measurement of the $(Z \rightarrow \nu \overline{\nu} \gamma)$ production cross section in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
116	Search for exclusive Higgs and Z boson decays to $\gamma \gamma$ and $\gamma \gamma \gamma$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
115	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
114	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. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5

113	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5
112	Measurement of the $B_0 \rightarrow D^* \mu \mu$ branching fraction. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	5
111	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
110	Measurement of four-jet differential cross sections in ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5.4	5
109	Branching fractions and CP-violating asymmetries in radiative B decays to $\mu \mu$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	5
108	Evidence for $B^+ \rightarrow K^* K^0 K^+$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	5
107	Search for the rare charmless hadronic decay $B^+ \rightarrow a_0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	5
106	Search for the rare decays $B^+ \rightarrow D^{(*)} K S^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	5
105	Search for the rare decays $B_0 \rightarrow D_s^{(*)} a_0(2) \pi$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	5
104	Measurement of the $B_0$ meson lifetime with partial reconstruction of $B_0 \rightarrow D^* \mu$ and $B_0 \rightarrow D^* \mu$ decays. <i>Physical Review D</i> , <b>2003</b> , 67,	4.9	5
103	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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
102	Search for the $HH \rightarrow (\overline{b}b)$ process via vector-boson fusion production using proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
101	Observation of the associated production of a top quark and a Z boson in pp collisions at ( $\sqrt{s}$ )= 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
100	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5
99	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
98	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 375	4.2	5
97	Measurement of the relative width difference of the ( $B^0$ ) system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
96	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5



95	Search for dark matter in association with an energetic photon in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	5
94	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4-2	5
93	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4-2	5
92	Observation of the Decay $D^0 \rightarrow K^+ \pi^+ e^+ e^-$ . <i>Physical Review Letters</i> , <b>2019</b> , 122, 081802	7-4	4
91	Search for a Dark Leptophilic Scalar in $e^+e^-$ Collisions. <i>Physical Review Letters</i> , <b>2020</b> , 125, 181801	7-4	4
90	Measurements of the Absolute Branching Fractions of $B^0 \rightarrow K^0 X_{cc}$ . <i>Physical Review Letters</i> , <b>2020</b> , 124, 152001	7-4	4
89	Measurement of jet activity in top quark events using the $e$ final state with two b-tagged jets in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	4
88	Measuring CP violation in $b \rightarrow c$ using excited charm mesons. <i>Physical Review D</i> , <b>2018</b> , 98,	4-9	4
87	Search for $B^0 \rightarrow K^+ K^0$ <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	4
86	Search for the decays $B^0 \rightarrow e^+ e^-$ and $B^0 \rightarrow \mu^+ \mu^-$ <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	4
85	Evidence for the Rare Decay $B^+ \rightarrow D_s^+ \pi^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98,	7-4	4
84	Bound on the ratio of decay amplitudes for $B^0 \rightarrow J/\psi K^0$ and $B^0 \rightarrow J/\psi K^*0$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 081801	7-4	4
83	Search for heavy diboson resonances in semileptonic final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	4
82	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	4
81	Measurement of $J/\psi$ production in association with a $W$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	4
80	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	4
79	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	4
78	Search for dark matter produced in association with a single top quark in $(\sqrt{s}=13)$ TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	4

77	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. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
76	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $(\sqrt{s}=8)$ and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
75	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
74	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
73	Measurement of the kt splitting scales in Z $\rightarrow$ le events in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
72	Search for the decay $B_0 \rightarrow K_S^0 K_S^0 K_L^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	3
71	Search for B meson decays to $\tau K$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	3
70	Measurements of branching fractions and Dalitz distributions for $B_0 \rightarrow D^{(*)\pm} K^0 \pi^\pm$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 171802	7.4	3
69	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	3
68	Determination of jet calibration and energy resolution in proton-proton collisions at $(\sqrt{s} = 8)$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
67	Measurement of the inclusive jet cross-section in proton-proton collisions at $(\sqrt{s}=7)$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector <b>2015</b> , 2015, 1		3
66	Reconstruction and identification of boosted di- $\tau$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
65	Probing the Higgs-strange-quark coupling at e+e- colliders using light-jet flavor tagging. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	3
64	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3
63	Measurement of hadronic event shapes in high-pT multijet final states at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3
62	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
61	Search for Rare or Forbidden Decays of the $D^0$ Meson. <i>Physical Review Letters</i> , <b>2020</b> , 124, 071802	7.4	2
60	Measurement of the Z( $\rightarrow \tau\tau$ ) production cross-section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2

59	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
58	Publisher's Note: Erratum: Measurement of Branching Fractions and Mass Spectra of $B \rightarrow K$ [Phys. Rev. Lett. 98, 211804 (2007)] [Phys. Rev. Lett. 100, 189903 (2008)]. <i>Physical Review Letters</i> , <b>2008</b> , 100,	7.4	2
57	Measurement of $\sin 2\alpha$ with hadronic and previously unused muonic $J/\psi$ decays. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	2
56	Measurement of the $(\overline{t})$ 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 <b>2014</b> , 74, 1		2
55	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $pp$ collisions at $(\sqrt{s}=8\sim)$ TeV with the ATLAS detector <b>2015</b> , 75, 1		2
54	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $(\sqrt{s} = 13\text{TeV})$ proton-proton collision data. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
53	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
52	Measurement of the inclusive isolated-photon cross section in $pp$ collisions at $(\sqrt{s}) = 13$ TeV using 36 $\text{fb}^{-1}$ of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
51	Measurements of inclusive and differential cross-sections of combined $(\overline{t}\gamma)$ and $tW$ production in the $e\ell$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
50	Measurement of isolated-photon plus two-jet production in $pp$ collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
49	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
48	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
47	Measurement of ZZ production in the $\ell\ell$ final state with the ATLAS detector in $pp$ collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
46	Measurement of $(W^{\pm})$ -boson and Z-boson production cross-sections in $pp$ collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
45	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in $pp$ collisions at $(\sqrt{s}) = 13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
44	A search for an excited muon decaying to a muon and two jets in $pp$ collisions at $(\sqrt{s}=8\text{TeV})$ with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
43	Measurement of the $D^{*+}(2010)^+-D^{*+}$ Mass Difference. <i>Physical Review Letters</i> , <b>2017</b> , 119, 202003	7.4	1
42	Search for production of $(WW/WZ)$ resonances decaying to a lepton, neutrino and jets in $(pp)$ collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector <b>2015</b> , 75, 1		1

41	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 <b>2016</b> , 76, 1		1
40	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7,\text{TeV}$ ) with the ATLAS detector <b>2018</b> , 78, 1		1
39	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13,\text{TeV}$ ) <b>2018</b> , 78, 1		1
38	Search for top squarks in events with a Higgs or Z boson using 139 fb <sup>-1</sup> of pp collision data at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1
37	Probing charged lepton flavor violation with axion-like particles at Belle II. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
36	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector <b>2018</b> , 2018, 1		1
35	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s}$ ) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
34	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
33	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. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
32	Probing the $\Delta = 0$ rule in three body charm decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
31	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
30	A search for the decays of stopped long-lived particles at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
29	Search for the decay mode $B^0 \rightarrow p\bar{p}\bar{p}$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	1
28	Measurement of single top-quark production in association with a W boson in the single-lepton channel at ( $\sqrt{s} = 8,\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
27	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. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
26	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
25	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> , <b>2021</b> , 81, 1	4.2	1
24	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1

23	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $13$ TeV. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	1
22	Precision Measurement of the Ratio $B(\tau(3S) \rightarrow \mu^+ \mu^-) / B(\tau(3S) \rightarrow \mu^+ \mu^-)$ . <i>Physical Review Letters</i> , <b>2020</b> , 125, 241801	7.4	0
21	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
20	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
19	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
18	Measurement of the $t\bar{t}$ production cross section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
17	Measurements of $W+W$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
16	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13, \text{TeV})$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
15	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
14	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
13	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. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
12	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	0
11	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \tau \rightarrow \pi \nu_{\tau} \nu_{\tau}$ events in Run 2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
10	B-flavor tagging at Belle II. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
9	Search for an Axionlike Particle in B Meson Decays. <i>Physical Review Letters</i> , <b>2022</b> , 128, 131802	7.4	0
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7	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
6	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0

5	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	o
4	Combined analysis of Belle and Belle II data to determine the CKM angle $\phi_3$ using $B^+ \rightarrow D(K)_S^0 \pi^+$ decays. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
3	Search for Darkonium in $e^+e^-$ Collisions.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 021802	7.4	
2	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	
1	Search for Lepton Flavor Violation in $(3S) \rightarrow e^+ \mu^- \gamma$ .. <i>Physical Review Letters</i> , <b>2022</b> , 128, 091804	7.4	