

Llusa-Maria Mir

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728
papers

27,629
citations

76
h-index

125
g-index

746
ext. papers

30,784
ext. citations

5.2
avg, IF

3.09
L-index

#	Paper	IF	Citations
728	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
727	High-efficiency gene transfer into skeletal muscle mediated by electric pulses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 4262-7	11.5	789
726	Observation of a broad structure in the $\pi^+\pi^- J/\psi$ mass spectrum around 4.26 GeV/c ² . <i>Physical Review Letters</i> , 2005 , 95, 142001	7.4	526
725	Observation of a narrow meson state decaying to D ⁽⁺⁾ (s) π^0 at a mass of 2.32 GeV/c ² . <i>Physical Review Letters</i> , 2003 , 90, 242001	7.4	509
724	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> , 2005 , 71,	4.9	333
723	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
722	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
721	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
720	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	233
719	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
718	Measurement of the CP asymmetry amplitude $\sin 2\beta$ with B ⁰ mesons. <i>Physical Review Letters</i> , 2002 , 89, 201802	7.4	228
717	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
716	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
715	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> , 2015 , 75, 299	4.2	202
714	Evidence of a broad structure at an invariant mass of 4.32 GeV/c ² in the reaction $e^+e^- \rightarrow \pi^+\pi^-\psi(2S)$ measured at BABAR. <i>Physical Review Letters</i> , 2007 , 98, 212001	7.4	200
713	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
712	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> , 2015 , 75, 17	4.2	194

711	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
710	Evidence for D0-D0 mixing. <i>Physical Review Letters</i> , 2007 , 98, 211802	7.4	186
709	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> , 2016 , 76, 6	4.2	185
708	Study of $e+e \rightarrow \text{pp}$ using initial state radiation with BABAR. <i>Physical Review D</i> , 2006 , 73,	4.9	180
707	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177
706	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
705	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> , 2014 , 74, 3130	4.2	166
704	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
703	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
702	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
701	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
700	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> , 2016 , 76, 581	4.2	148
699	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> , 2013 , 2013, 1	5.4	143
698	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> , 2011 , 71, 1	4.2	138
697	Measurement of double charmonium production in $e+e$ annihilations at $s=10.6$ GeV. <i>Physical Review D</i> , 2005 , 72,	4.9	136
696	Direct CP violating asymmetry in $B^0 \rightarrow K+\pi$ decays. <i>Physical Review Letters</i> , 2004 , 93, 131801	7.4	136
695	Measurements of $e+e \rightarrow K+K$, $K+K^0$, and $K_s^0 K^0$ cross sections using initial state radiation events. <i>Physical Review D</i> , 2008 , 77,	4.9	127
694	Search for new high-mass phenomena in the dilepton final state using 36 fb of proton-proton collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126

693	The BaBar detector: Upgrades, operation and performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 729, 615-701	1.2	125
692	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> , 2013 , 2013, 1	5.4	124
691	Search for lepton flavor violation in the decay $\tau_{\pm} \rightarrow \mu^{\pm} \gamma$. <i>Physical Review Letters</i> , 2005 , 95, 041802	7.4	121
690	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	120
689	Measurements of branching fractions and CP-violating asymmetries in $B^0 \rightarrow \pi^+\pi^-$, $K^+\pi^-$, K^+K^- decays. <i>Physical Review Letters</i> , 2002 , 89, 281802	7.4	119
688	Observation of a new D_s meson decaying to DK at a mass of $2.86\text{ GeV}/c^2$. <i>Physical Review Letters</i> , 2006 , 97, 222001	7.4	117
687	Rates, polarizations, and asymmetries in charmless vector-vector B meson decays. <i>Physical Review Letters</i> , 2003 , 91, 171802	7.4	117
686	Search for doubly charmed baryons Ξ_{cc}^+ and Ξ_{cc}^{++} in BABAR. <i>Physical Review D</i> , 2006 , 74,	4.9	116
685	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \bar{t}n$ (\overline{t}) events using pp collision data at $(\sqrt{s}) = 7\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
684	Observation of $Y(3940) \rightarrow J/\psi\omega$ in $B \rightarrow J/\psi\omega K$ at BABAR. <i>Physical Review Letters</i> , 2008 , 101, 082001	7.4	111
683	The $e^+e^- \rightarrow 2(\pi^+\pi^-)$, $2(\pi^+\pi^-)K^+K^-$ and $K^+K^-K^+K^-$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , 2007 , 76,	4.9	111
682	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
681	$e^+e^- \rightarrow \pi^+\pi^-K^+K^-$ and $K^+K^-K^+K^-$ cross sections at center-of-mass energies $0.5 \leq \sqrt{s} \leq 1.5\text{ GeV}$ measured with initial-state radiation. <i>Physical Review D</i> , 2005 , 71,	4.9	109
680	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $(\sqrt{s}) = 8\text{ TeV}$ proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	108
679	Measurement of the $[\text{Formula: see text}]$ production cross-section using $[\text{Formula: see text}]$ events with $[\text{Formula: see text}]$ -tagged jets in $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}]$ and 8TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
678	Search for $B^+ \rightarrow X(3872)K^+$, $X(3872) \rightarrow J/\psi$ <i>Physical Review D</i> , 2006 , 74,	4.9	106
677	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
676	Search for doubly charged Higgs bosons in like-sign dilepton final states at $(\sqrt{s}) = 7\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104

675	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> , 2011 , 71, 1	4.2	103
674	Structure at 2175 MeV in $e+e \rightarrow \gamma^* \rightarrow f_0(980)$ observed via initial-state radiation. <i>Physical Review D</i> , 2006 , 74,	4.9	102
673	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> , 2018 , 2018, 1	5.4	101
672	Study of resonances in exclusive B decays to $D^{(*)}D^{(*)}K$. <i>Physical Review D</i> , 2008 , 77,	4.9	100
671	Observation of a Charmed Baryon Decaying to $D_s^+ p$ at a Mass Near 2.94 GeV/c ² . <i>Physical Review Letters</i> , 2007 , 98, 012001	7.4	97
670	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> , 2015 , 75, 349	4.2	94
669	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> , 2013 , 2013, 1	5.4	92
668	Improved measurement of CP asymmetries in $B^0 \rightarrow (cc)K(0^{(*)})$ decays. <i>Physical Review Letters</i> , 2005 , 94, 161803	7.4	92
667	Search for lepton flavor violation in the decay $\tau^+ \rightarrow e^+ \gamma$. <i>Physical Review Letters</i> , 2006 , 96, 041801	7.4	91
666	Dalitz-plot analysis of the decays $B^0 \rightarrow K^0 \pi^0$. <i>Physical Review D</i> , 2005 , 72,	4.9	89
665	$e+e \rightarrow K^+ K^0 \pi^+ K^0 \pi^0$ and $K^+ K^0 \pi^+ K^0 \pi^0$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , 2007 , 76,	4.9	86
664	Observation of an excited charm baryon Ω_c^* decaying to $\Omega_c \gamma$. <i>Physical Review Letters</i> , 2006 , 97, 232001	7.4	86
663	Measurements of the $B \rightarrow X_s \gamma$ branching fraction and photon spectrum from a sum of exclusive final states. <i>Physical Review D</i> , 2005 , 72,	4.9	86
662	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> , 2012 , 72, 2043	4.2	82
661	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
660	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
659	Study of $e+e \rightarrow \mu^+ \mu^- \gamma$ using initial state radiation with BABAR. <i>Physical Review D</i> , 2007 , 76,	4.9	81
658	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79

657	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> , 2008 , 100, 021801	7.4	79
656	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> , 2012 , 72, 2039	4.2	78
655	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> , 2012 , 72, 2056	4.2	78
654	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> , 2014 , 2014, 1	5.4	76
653	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> , 2013 , 73, 2465	4.2	76
652	Study of the X(3872) and Y(4260) in $B_0 \rightarrow J/\psi K^0$ and $B \rightarrow J/\psi K^*$ decays. <i>Physical Review D</i> , 2006 , 73,	4.9	76
651	Measurements of the mass and width of the eta(c) meson and of an eta(c)(2S) candidate. <i>Physical Review Letters</i> , 2004 , 92, 142002	7.4	76
650	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
649	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> , 2015 , 75, 209	4.2	73
648	Study of the exclusive initial-state-radiation production of the DD^* system. <i>Physical Review D</i> , 2007 , 76,	4.9	73
647	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> , 2013 , 2013, 1	5.4	72
646	Time-integrated and time-dependent angular analyses of $B \rightarrow J/\psi A$ measurement of $\cos 2\phi$ with no sign ambiguity from strong phases. <i>Physical Review D</i> , 2005 , 71,	4.9	72
645	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> , 2013 , 73, 2509	4.2	71
644	Search for a charged partner of the X(3872) in the B meson decay $B \rightarrow X \bar{K}, X \rightarrow J/\psi$. <i>Physical Review D</i> , 2005 , 71,	4.9	71
643	Observation of a narrow meson decaying to $D_s + D^*$ at a mass of 2.458 GeV/c ² . <i>Physical Review D</i> , 2004 , 69,	4.9	71
642	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $(\sqrt{s} = 7 \text{ mTeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
641	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
640	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68

639	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	67
638	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> , 2012 , 2012, 1	5-4	67
637	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 412	4-2	66
636	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-39	5-4	66
635	Measurement of the $B_0 \rightarrow \pi K^0$ decay amplitudes. <i>Physical Review Letters</i> , 2004 , 93, 231804	7-4	66
634	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4-2	66
633	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	65
632	Search for T, CP, and CPT violation in B_0 - B_0 mixing with inclusive dilepton events. <i>Physical Review Letters</i> , 2006 , 96, 251802	7-4	65
631	Search for lepton-flavor violation in the decay $\tau \rightarrow l + l$. <i>Physical Review Letters</i> , 2004 , 92, 121801	7-4	65
630	Measurement of the Cabibbo-Kobayashi-Maskawa angle γ in $B^+ \rightarrow D^* K^+ \pi^-$ decays with a Dalitz analysis of $D \rightarrow K(S) \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2005 , 95, 121802	7-4	65
629	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> , 2015 , 2015, 1	5-4	64
628	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	64
627	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 291	4-2	63
626	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4-2	62
625	Search for $B^+ \rightarrow \mu^+ \mu^0$ decays with hadronic B tags. <i>Physical Review D</i> , 2008 , 77,	4-9	62
624	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4-2	61
623	Study of excited charm-strange baryons with evidence for new baryons $\Xi(3055)^+$ and $\Xi(3123)^+$. <i>Physical Review D</i> , 2008 , 77,	4-9	61
622	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> , 2015 , 75, 92	4-2	60

621	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> , 2011 , 2011, 1	5.4	60
620	Search for CP violation in the decays $D^0 \rightarrow K^- K^+$ and $D^0 \rightarrow \pi^- \pi^+$. <i>Physical Review Letters</i> , 2008 , 100, 061803	7.4	60
619	Measurements of the absolute branching fractions of $B^{+/-} \rightarrow K^{+/-} X(cc)$. <i>Physical Review Letters</i> , 2006 , 96, 052002	7.4	60
618	Measurement of the τ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
617	Measurement of the Λ and Σ transition form factors at $q^2=112 \text{ GeV}^2$. <i>Physical Review D</i> , 2006 , 74,	4.9	59
616	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \mu$ decays. <i>Physical Review D</i> , 2004 , 69,	4.9	59
615	Study of inclusive production of charmonium mesons in B decays. <i>Physical Review D</i> , 2003 , 67,	4.9	59
614	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> , 2016 , 2016, 1	5.4	59
613	Measurement of the $W \rightarrow \Lambda$ and $Z/\gamma \rightarrow \Lambda$ production cross sections in proton-proton collisions at ($\sqrt{s} = 7; \text{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
612	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> , 2015 , 2015, 1	5.4	57
611	Determination of the Branching Fraction for $B \rightarrow X c \mu$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. <i>Physical Review Letters</i> , 2004 , 93,	7.4	57
610	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \mu^\pm \tau$ 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> , 2015 , 2015, 1	5.4	56
609	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> , 2015 , 75, 335	4.2	56
608	Precision measurement and interpretation of inclusive τ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
607	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> , 2018 , 78, 199	4.2	55
606	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> , 2013 , 2013, 1	5.4	55
605	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
604	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> , 2015 , 2015, 1	5.4	55

603	Exclusive branching-fraction measurements of semileptonic tau decays into three charged hadrons, into $\phi\pi(-)\nu\tau$, and into $\phi K(-)\nu\tau$. <i>Physical Review Letters</i> , 2008 , 100, 011801	7.4	55
602	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2	54
601	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> , 2015 , 2015, 1	5.4	54
600	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> , 2014 , 2014, 1	5.4	54
599	Measurement of $W\Xi Z$ production in proton-proton collisions at ($\sqrt{s}=7\sim\text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
598	Observation of CP violation in $B(0) \rightarrow K(+)\pi(-)$ and $B(0) \rightarrow \pi(+)\pi(-)$. <i>Physical Review Letters</i> , 2007 , 99, 021603	7.4	54
597	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> , 2016 , 76, 392	4.2	53
596	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> , 2016 , 76, 210	4.2	53
595	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> , 2012 , 2012, 1	5.4	53
594	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7\text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
593	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2	53
592	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> , 2014 , 2014, 1	5.4	52
591	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2	52
590	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> , 2017 , 77, 393	4.2	52
589	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> , 2014 , 74, 3157	4.2	52
588	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
587	Observation of $B^+ \rightarrow K^0 K^+$ and $B^0 \rightarrow K^0 K^0$. <i>Physical Review Letters</i> , 2006 , 97, 171805	7.4	52
586	Dalitz plot analysis of the decay $B\Xi \rightarrow K\Xi K$?. <i>Physical Review D</i> , 2006 , 74,	4.9	52

585	Measurement of the branching fraction and photon energy moments of $B \rightarrow X_s \gamma$ and $A(\text{CP})(B \rightarrow X(s+d \gamma))$. <i>Physical Review Letters</i> , 2006 , 97, 171803	7.4	52
584	Measurement of the $B_0 \rightarrow \pi^-(l)(+\nu)$ form-factor shape and branching fraction, and determination of $ V_{ub} $ with a loose neutrino reconstruction technique. <i>Physical Review Letters</i> , 2007 , 98, 091801	7.4	52
583	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
582	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> , 2011 , 71, 1	4.2	51
581	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> , 2013 , 2013, 1	5.4	50
580	Evidence for the ($H \rightarrow b\bar{b}$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
579	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> , 2015 , 75, 208	4.2	50
578	Observation of the decay $B \rightarrow J/\psi \eta$ and search for $X(3872) \rightarrow J/\psi \eta$. <i>Physical Review Letters</i> , 2004 , 93, 041801	7.4	50
577	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> , 2015 , 75, 303	4.2	49
576	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> , 2015 , 2015, 1	5.4	49
575	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> , 2012 , 2012, 1	5.4	49
574	Search for resonances in diphoton events at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	49
573	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> , 2016 , 76, 538	4.2	48
572	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> , 2016 , 76, 259	4.2	48
571	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> , 2017 , 77, 428	4.2	48
570	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s}=7$;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48
569	Study of $B \rightarrow D^{(*)} s J + D^{(*)}$ decays. <i>Physical Review Letters</i> , 2004 , 93, 181801	7.4	48
568	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> , 2017 , 77, 76	4.2	47

567	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4.2	47
566	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> , 2013 , 2013, 1	5.4	47
565	Measurement of branching fractions and CP and isospin asymmetries for $B \rightarrow K^* \mu \mu$. <i>Physical Review D</i> , 2004 , 70,	4.9	47
564	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> , 2015 , 75, 263	4.2	46
563	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> , 2014 , 74, 3023	4.2	46
562	Search for lepton-flavour-violating $H \rightarrow \tau \mu$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	46
561	Study of $B_0 \rightarrow \mu \mu$ decays and constraints on the CKM angle θ . <i>Physical Review D</i> , 2007 , 76,	4.9	46
560	Measurements of branching fractions and CP-violating asymmetries in $B_0 \rightarrow \rho^{(\pm)} h^{(\mp)}$ decays. <i>Physical Review Letters</i> , 2003 , 91, 201802	7.4	46
559	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> , 2015 , 2015, 1	5.4	45
558	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> , 2016 , 2016, 1	5.4	45
557	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> , 2013 , 2013, 1	5.4	45
556	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> , 2014 , 74, 3034	4.2	45
555	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ($\sqrt{s}=7$; TeV) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
554	Search for CPT and lorentz violation in B_0 - B_0 oscillations with dilepton events. <i>Physical Review Letters</i> , 2008 , 100, 131802	7.4	45
553	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> , 2015 , 75, 318	4.2	44
552	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
551	Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7$; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
550	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44

549	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
548	J/ψ production via initial state radiation in $e^+e^- \rightarrow \mu^+\mu^-$ at an e^+e^- center-of-mass energy near 10.6 GeV. <i>Physical Review D</i> , 2004 , 69,	4.9	44
547	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> , 2013 , 2013, 1	5.4	43
546	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> , 2012 , 2012, 1	5.4	43
545	Determination of the form factors for the decay $B_0 \rightarrow D^* \mu^+ \mu^-$ and of the CKM matrix element $ V_{cb} $. <i>Physical Review D</i> , 2008 , 77,	4.9	43
544	ATLAS b-jet identification performance and efficiency measurement with ($t\bar{t}$) events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
543	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
542	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> , 2016 , 76, 283	4.2	42
541	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> , 2012 , 72, 2046	4.2	42
540	Study of $B_0 \rightarrow \mu^+\mu^-$, $B_{\pm} \rightarrow \mu^{\pm}\mu^0$, and $B_{\pm} \rightarrow K^{\pm}\mu^0$ decays, and isospin analysis of $B \rightarrow \mu^+\mu^-$ decays. <i>Physical Review D</i> , 2007 , 76,	4.9	42
539	Measurement of the $B \rightarrow K^0\mu^+\mu^-$ branching fraction. <i>Physical Review D</i> , 2007 , 76,	4.9	42
538	Measurement of the hadronic form factor in $D_0 \rightarrow K^0\mu^+\mu^-$ decays. <i>Physical Review D</i> , 2007 , 76,	4.9	42
537	Search for heavy resonances in the and final states using proton-proton collisions at [] with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
536	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> , 2014 , 74, 2883	4.2	41
535	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
534	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7 \sim \text{TeV}$) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
533	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	41
532	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho^0 K^*$ and $B \rightarrow \phi(980) K^*$ decays. <i>Physical Review Letters</i> , 2006 , 97, 201801	7.4	41

531	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> , 2014 , 2014, 1	5.4	40
530	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> , 2006 , 73,	4.9	40
529	Vector-tensor and vector-vector decay amplitude analysis of $B_0 \rightarrow \phi K^0$. <i>Physical Review Letters</i> , 2007 , 98, 051801	7.4	40
528	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 199	4.2	39
527	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> , 2014 , 2014, 1	5.4	39
526	A search for $(\overline{t}t)$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	39
525	Observation of Upsilon(4S) decays to $\pi^+\pi^-\Upsilon(1S)$ and $\pi^+\pi^-\Upsilon(2S)$. <i>Physical Review Letters</i> , 2006 , 96, 232001	7.4	39
524	Observation of B_0 meson decay to a $1^-(1260)\pi^+$. <i>Physical Review Letters</i> , 2006 , 97, 051802	7.4	39
523	Search for $B^+ \rightarrow \mu^+\nu_\mu$. <i>Physical Review D</i> , 2007 , 76,	4.9	39
522	Measurement of the pseudoscalar decay constant f_D using charm-tagged events in e^+e^- collisions at square root $s = 10.58$ GeV. <i>Physical Review Letters</i> , 2007 , 98, 141801	7.4	39
521	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 241	4.2	38
520	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> , 2015 , 75, 229	4.2	38
519	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> , 2014 , 2014, 1	5.4	38
518	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> , 2019 , 79, 1	4.2	37
517	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> , 2015 , 2015, 1	5.4	37
516	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> , 2012 , 2012, 1	5.4	37
515	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> , 2011 , 71, 1	4.2	37
514	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> , 2011 , 71, 1	4.2	37

513	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> , 2016 , 76, 502	4.2	37
512	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> , 2018 , 2018, 1	5.4	36
511	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> , 2014 , 2014, 1	5.4	36
510	Measurement of the $B \rightarrow \pi l \nu$ branching fraction and determination of absolute value of V_{ub} with tagged B mesons. <i>Physical Review Letters</i> , 2006 , 97, 211801	7.4	36
509	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$. <i>Physical Review Letters</i> , 2007 , 99, 221801	7.4	36
508	Improved limits on the lepton-flavor violating decays $\tau \rightarrow \ell^+ \ell^-$. <i>Physical Review Letters</i> , 2007 , 99, 251803	7.4	36
507	Measurement of CP asymmetries in $B^0 \rightarrow K^0$ and $B^0 \rightarrow K^+ K^- S^0$ decays. <i>Physical Review D</i> , 2005 , 71,	4.9	36
506	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> , 2004 , 70,	4.9	36
505	Search for D^0 - \bar{D}^0 mixing and a measurement of the doubly Cabibbo-suppressed decay rate in $D^0 \rightarrow K \pi$ decays. <i>Physical Review Letters</i> , 2003 , 91, 171801	7.4	36
504	Measurements of branching fractions and time-dependent CP-violating asymmetries in $B \rightarrow \eta' K$ decays. <i>Physical Review Letters</i> , 2005 , 94, 191802	7.4	36
503	Branching fractions and CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$, $B^+ \rightarrow \pi^+ \pi^0$, and $B^+ \rightarrow K^+ \pi^0$ decays and isospin analysis of the $B \rightarrow \pi \pi$ system. <i>Physical Review Letters</i> , 2005 , 94, 181802	7.4	36
502	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
501	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 171	4.2	35
500	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> , 2016 , 76, 322	4.2	35
499	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
498	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7 \sim \text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
497	Study of the $D_s J^*(2317)^+$ and $D_s J(2460)^+$ mesons in inclusive $c \bar{c}$ production near $\sqrt{s}=10.6$ GeV. <i>Physical Review D</i> , 2006 , 74,	4.9	35
496	Measurement of the inclusive charmless semileptonic branching ratio of B mesons and determination of $ V_{ub} $. <i>Physical Review Letters</i> , 2004 , 92, 071802	7.4	35

495	Study of the decay $B_0(B^- \rightarrow \rho^0 \rho^-)$, and constraints on the Cabibbo-Kobayashi-Maskawa angle α . <i>Physical Review Letters</i> , 2004 , 93, 231801	7.4	35
494	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> , 2013 , 2013, 1	5.4	34
493	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> , 2012 , 72, 1	4.2	34
492	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> , 2012 , 2012, 1	5.4	34
491	Measurements of moments of the hadronic mass distribution in semileptonic B decays. <i>Physical Review D</i> , 2004 , 69,	4.9	34
490	Observation of a significant excess of $\pi^0\pi^0$ events in B meson decays. <i>Physical Review Letters</i> , 2003 , 91, 241801	7.4	34
489	Search for the decay $B^+ \rightarrow K^+ \nu \bar{\nu}$. <i>Physical Review Letters</i> , 2005 , 94, 101801	7.4	34
488	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at \sqrt{s} with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4.2	34
487	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
486	Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$, $(\psi(2S))K^*$, and $B^1 K^*$ with an angular analysis. <i>Physical Review D</i> , 2007 , 76,	4.9	33
485	Improved measurements of the branching fractions for $B_0 \rightarrow \mu^+ \mu^-$ and $B_0 \rightarrow K^+ \mu^-$ and a search for $B_0 \rightarrow K^+ K^-$ <i>Physical Review D</i> , 2007 , 75,	4.9	33
484	Search for lepton flavor violating decays $\tau(\pm) \rightarrow l(\pm)\pi^0$, $l(\pm)\eta$, $l(\pm)\eta'$. <i>Physical Review Letters</i> , 2007 , 98, 061803	7.4	33
483	Measurements of CP-violating asymmetries and branching fractions in B meson decays to $\eta'K$. <i>Physical Review Letters</i> , 2003 , 91, 161801	7.4	33
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481	Search for charged Higgs bosons in the $H^\pm \rightarrow tb$ decay channel in pp collisions at $(\sqrt{s}=8)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	33
480	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb $^{-1}$ of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
479	Measurement of the top quark mass in the $[t\bar{t}]$ and $[t\bar{t}b\bar{b}]$ channels using $[t\bar{t}]$ ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4.2	32
478	Search for dark matter produced in association with bottom or top quarks in \sqrt{s} TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 18	4.2	32

477	Study of $B \rightarrow \bar{c}c$ and $B \rightarrow \bar{b}c$ decays at BABAR. <i>Physical Review D</i> , 2008 , 77,	4.9	32
476	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+K^-$. <i>Physical Review Letters</i> , 2007 , 99, 161802	7.4	32
475	Search for lepton-flavor and lepton-number violation in the decay $\tau^- \rightarrow l^+ h^- h'^-$. <i>Physical Review Letters</i> , 2005 , 95, 191801	7.4	32
474	Search for pair production of Higgs bosons in the $(\bar{b}b)$ final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31
473	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> , 2019 , 2019, 1	5.4	31
472	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
471	Measurement of the production and lepton charge asymmetry of $[\text{Formula: see text}]$ bosons in Pb+Pb collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	31
470	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $[\text{Formula: see text}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	31
469	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> , 2014 , 2014, 1	5.4	31
468	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> , 2012 , 2012, 1	5.4	31
467	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> , 2012 , 72, 1	4.2	31
466	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> , 2011 , 2011, 1	5.4	31
465	Improved measurement of CP violation in neutral B decays to $c\bar{c}$. <i>Physical Review Letters</i> , 2007 , 99, 171803	7.4	31
464	Measurement of CP violation parameters with a Dalitz plot analysis of $B^{+/-} \rightarrow D\{\pi^+\pi^-\pi^0\}K^{+/-}$. <i>Physical Review Letters</i> , 2007 , 99, 251801	7.4	31
463	Measurement of the B^+/B^0 production ratio from the $(4S)$ meson using $B^+ \rightarrow J/\psi K^+$ and $B^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , 2004 , 69,	4.9	31
462	Improved Measurement of the Cabibbo-Kobayashi-Maskawa angle α using $B^0(B) \rightarrow \rho^+\rho^-$ decays. <i>Physical Review Letters</i> , 2005 , 95, 041805	7.4	31
461	Measurements of b-jet tagging efficiency with the ATLAS detector using $(\bar{t}t)$ events at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	31
460	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> , 2013 , 2013, 1	5.4	30

459	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> , 2017 , 2017, 1	5.4	30
458	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> , 2014 , 2014, 1	5.4	30
457	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
456	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> , 2011 , 71, 1	4.2	30
455	Amplitude analysis of the decay $B_{\mu} \rightarrow \mu \mu \mu$. <i>Physical Review D</i> , 2005 , 72,	4.9	30
454	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> , 2004 , 92, 181801	7.4	30
453	Precision measurement of the Ξ^+ baryon mass. <i>Physical Review D</i> , 2005 , 72,	4.9	30
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451	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> , 2015 , 2015, 1	5.4	29
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449	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
448	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> , 2017 , 2017, 1	5.4	29
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444	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
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442	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28

441	Search for D^0D^0 mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , 2007 , 76,	4.9	28
440	Measurement of CP-violating asymmetries in $B^0 \rightarrow \pi^0$ using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , 2007 , 76,	4.9	28
439	Evidence for the $B^0 \rightarrow \rho^0 K^*0$ and $B^+ \rightarrow \rho^+ K^*+$ decays and study of the decay dynamics of B meson decays into $\rho\pi$ final states. <i>Physical Review D</i> , 2007 , 76,	4.9	28
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435	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> , 2017 , 2017, 1	5.4	27
434	Search for the rare decay $B^0 \rightarrow \tau^+\tau^-$ at BABAR. <i>Physical Review Letters</i> , 2006 , 96, 241802	7.4	27
433	Study of $B \rightarrow \pi$ and $B \rightarrow \rho$ decays and determination of $ V_{ub} $. <i>Physical Review D</i> , 2005 , 72,	4.9	27
432	Measurements of the decays $B^0 \rightarrow D^0\pi^+\pi^-$, $B^0 \rightarrow D^0\pi^0\pi^0$, $B^0 \rightarrow D^0\rho^+\rho^-$, and $B^0 \rightarrow D^0\rho^+\rho^0$. <i>Physical Review D</i> , 2006 , 74,	4.9	27
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430	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> , 2016 , 76, 513	4.2	27
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427	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> , 2017 , 77, 361	4.2	26
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423	Observation of the decay $B_0 \rightarrow \mu^+ \mu^-$ and measurement of the branching fraction and polarization. <i>Physical Review D</i> , 2004 , 69,	4.9	26
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414	Measurements of CP-violating asymmetries in $B_0 \rightarrow a_1^+ \pi^-$ decays. <i>Physical Review Letters</i> , 2007 , 98, 181803	7.4	25
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409	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> , 2016 , 2016, 1	5.4	24
408	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> , 2014 , 2014, 1	5.4	24
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398	Measurement of the branching fraction for inclusive semileptonic B meson decays. <i>Physical Review D</i> , 2003 , 67,	4.9	24
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383	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> , 2015 , 2015, 1	5.4	22
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380	Measurement of the time-dependent CP-violating asymmetry in $B^0\rightarrow KS^0\pi^0$ decays. <i>Physical Review D</i> , 2005 , 72,	4.9	22
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364	Determinations of β from inclusive semileptonic decays with reduced model dependence. <i>Physical Review Letters</i> , 2006 , 96, 221801	7.4	20
363	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)}D^{(*)}$, and implications for the Cabibbo-Kobayashi-Maskawa angle β . <i>Physical Review D</i> , 2006 , 73,	4.9	20
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348	Measurement of the branching fraction and the CP-violating asymmetry for the decay $B^0 \rightarrow K_S^0 \pi^0$. <i>Physical Review D</i> , 2005 , 71,	4.9	19
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344	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
343	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> , 2014 , 74, 2982	4.2	18
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336	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a K^* meson. <i>Physical Review Letters</i> , 2006 , 97, 201802	7.4	18
335	Dalitz plot analysis of $D^0 \rightarrow K^0 K^0 K^0$. <i>Physical Review D</i> , 2005 , 72,	4.9	18
334	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{*+} \pi^0$ and $B^0 \rightarrow D \pi^0$ decays. <i>Physical Review D</i> , 2006 , 73,	4.9	18

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324	Measurement of $\cos 2\beta$ in $B_c \rightarrow D_s^{(*)} h_c$ decays with a time-dependent Dalitz plot analysis of $D \rightarrow K_s^0 \pi^+ \pi^-$. <i>Physical Review Letters</i> , 2007 , 99, 231802	7.4	17
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322	Measurement of the time-dependent CP asymmetry in the $B_0 \rightarrow \phi K_0$ decay. <i>Physical Review Letters</i> , 2004 , 93, 071801	7.4	17
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316	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16

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310	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
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308	Measurement of branching fractions and charge asymmetries in B^+ decays to $\eta\pi^+$, ηK^+ , $\eta\rho^+$, and $\eta'\pi^+$, and search for B^0 decays to ηK^0 and $\eta\omega$. <i>Physical Review Letters</i> , 2005 , 95, 131803	7.4	16
307	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
306	Search for the Higgs boson produced in association with a boson and decaying to four q -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
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304	Measurement of fiducial and differential (W^+W^-) production cross-sections at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
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298	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> , 2017 , 77, 563	4.2	15

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294	Measurements of partial branching fractions for $B \rightarrow X_{cb} \nu$ and determination of $ V_{ub} $. <i>Physical Review Letters</i> , 2008 , 100, 171802	7.4	15
293	Observation of $B^{+} \rightarrow a_1(1260)K_0$ and $B_0 \rightarrow a_1(1260)K^+$. <i>Physical Review Letters</i> , 2008 , 100, 051803	7.4	15
292	Observation of tree-level B decays with ss production from gluon radiation. <i>Physical Review Letters</i> , 2008 , 100, 171803	7.4	15
291	Inclusive \bar{b} production in e^+e^- annihilations at $\sqrt{s}=10.54$ GeV and in $(4S)$ decays. <i>Physical Review D</i> , 2007 , 75,	4.9	15
290	Observation of B Meson decays to $b_1\pi$ and b_1K . <i>Physical Review Letters</i> , 2007 , 99, 241803	7.4	15
289	Measurement of $B_{cb} \rightarrow D^{(*)}0K_{cb}^{(*)}0$ branching fractions. <i>Physical Review D</i> , 2006 , 74,	4.9	15
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287	Measurement of the branching fraction, and bounds on the CP-violating asymmetries, of neutral B decays to $D^{*+/-} D^-/+$. <i>Physical Review Letters</i> , 2003 , 90, 221801	7.4	15
286	Measurement of the $[e^+e^- \rightarrow \mu^+\mu^- \gamma \gamma]$ and $[e^+e^- \rightarrow \mu^+\mu^- \gamma \gamma \gamma]$ production cross sections in multilepton final states using 3.2 fb ⁻¹ of $[e^+e^-]$ collisions at $[E_{\text{cm}}] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
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283	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> , 2016 , 2016, 1	5.4	14
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272	Search for $B^+ \rightarrow \tau^+ \nu$ and $B^0 \rightarrow \tau^0 \nu$ decays. <i>Physical Review D</i> , 2006 , 74,	4.9	14
271	B meson decays to K^* , $\pi\pi$, and $\pi 0$. <i>Physical Review D</i> , 2006 , 74,	4.9	14
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231	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
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228	Search for the Decay $B_{u,d} \rightarrow K^+ \tau^{+/-} \mu^{+/-}$. <i>Physical Review Letters</i> , 2007 , 99, 201801	7.4	12
227	Measurement of the $B_{u,d} \rightarrow D^{*+} \pi^0$ decay rate and $ V_{cb} $. <i>Physical Review D</i> , 2005 , 71,	4.9	12
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224	Searches for B^0 decays to K^0 , $\pi^0 \pi^0$, η , and η' . <i>Physical Review D</i> , 2006 , 74,	4.9	12
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222	Search for the decay $B^+ \rightarrow \pi^+ \pi^0$. <i>Physical Review D</i> , 2006 , 73,	4.9	12
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220	Measurement of CP observables for the decays $B^{\pm} \rightarrow DCP^0 K^{\pm}$. <i>Physical Review D</i> , 2006 , 73,	4.9	12
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213	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> , 2019 , 79, 1	4.2	11
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190	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10

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173	Study of muon-pair production at centre-of-mass energies from 20 to 136 GeV with the ALEPH detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 399, 329-341	4.2	9
172	Measurement of the CP-violating asymmetries in $B_0 \rightarrow K_S^0 \pi^0$ and of the branching fraction $B_0 \rightarrow K_0^0$. <i>Physical Review D</i> , 2008 , 77,	4.9	9

171	Search for the decay $B^+ \rightarrow K^*0(892)K^+$. <i>Physical Review D</i> , 2007 , 76,	4.9	9
170	Measurement of the relative branching fractions of $B^+ \rightarrow D/D^*/D^{**}l^+$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , 2007 , 76,	4.9	9
169	Branching fraction measurement of $B^0 \rightarrow D^{(*)+}l^-$ and $B^+ \rightarrow D^{(*)0}l^+$ and isospin analysis of $B^+ \rightarrow D^{(*)+}l^+$ decays. <i>Physical Review D</i> , 2007 , 75,	4.9	9
168	Study of inclusive B^+ and B^0 decays to flavor-tagged D, Ds, and \bar{D}^+ . <i>Physical Review D</i> , 2007 , 75,	4.9	9
167	Observation of decays $B^0 \rightarrow Ds^{(*)+} \pi^-$ and $B^0 \rightarrow Ds^{(*)-} K^+$. <i>Physical Review Letters</i> , 2007 , 98, 081801	7.4	9
166	Search for the decay $B^+ \rightarrow 4B^0(0)$ <i>Physical Review D</i> , 2005 , 72,	4.9	9
165	Measurement of the branching fractions for inclusive B^+ and B^0 decays to flavor-tagged D, Ds, and \bar{D} . <i>Physical Review D</i> , 2004 , 70,	4.9	9
164	Branching fraction measurements of $B \rightarrow \bar{B}K$ decays. <i>Physical Review D</i> , 2004 , 70,	4.9	9
163	Search for the decay $B^0 \rightarrow J/\psi$ <i>Physical Review D</i> , 2004 , 70,	4.9	9
162	Study of time-dependent CP asymmetry in neutral B decays to $J/\psi \pi^0$. <i>Physical Review Letters</i> , 2003 , 91, 061802	7.4	9
161	Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^*+D^{*-}$. <i>Physical Review Letters</i> , 2005 , 95, 151804	7.4	9
160	Production and decay of $\chi(c)0$ at BABAR. <i>Physical Review Letters</i> , 2005 , 95, 142003	7.4	9
159	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
158	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> , 2020 , 80, 1	4.2	9
157	Measurement of VH , ($\mathbf{H} \rightarrow \overline{\mathbf{b}}\mathbf{b}$) 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> , 2019 , 2019, 1	5.4	8
156	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> , 2020 , 2020, 1	5.4	8
155	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
154	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8

153	Measurement of splitting scales in \rightarrow events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
152	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> , 2017 , 77, 144	4.2	8
151	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> , 2017 , 2017, 1	5.4	8
150	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> , 2015 , 75, 158	4.2	8
149	Measurement of the absolute branching fraction of $D^0 \rightarrow K \pi^+$. <i>Physical Review Letters</i> , 2008 , 100, 051802	4.2	8
148	Search for the reactions $e^+e^- \rightarrow \mu^+\mu^-$ and $e^+e^- \rightarrow e^+\mu^-$. <i>Physical Review D</i> , 2007 , 75,	4.9	8
147	Observation of e^+e^- annihilation into the $C = +1$ hadronic final states $\rho(0)\rho(0)$ and $\phi\rho(0)$. <i>Physical Review Letters</i> , 2006 , 97, 112002	7.4	8
146	Measurement of the absolute branching fractions $B \rightarrow D^* D^{**}$ with a missing mass method. <i>Physical Review D</i> , 2006 , 74,	4.9	8
145	Measurement of the Time-Dependent CP Asymmetry in $B_s \rightarrow D_{CP}^{(*)} h^0$ Decays. <i>Physical Review Letters</i> , 2007 , 99, 081801	7.4	8
144	Study of $b \rightarrow c$ interference in the decay $B \rightarrow [K^*] D^{**}$. <i>Physical Review D</i> , 2005 , 72,	4.9	8
143	Search for $B \rightarrow J/\psi D$ decays. <i>Physical Review D</i> , 2005 , 71,	4.9	8
142	Measurement of the ratio $B(B^+ \rightarrow X e^+) / B(B^0 \rightarrow X e^+)$. <i>Physical Review D</i> , 2006 , 74,	4.9	8
141	Observation of the exclusive reaction $e^+e^- \rightarrow \tau^+\tau^-$ at $s=10.58$ GeV. <i>Physical Review D</i> , 2006 , 74,	4.9	8
140	Measurement of the branching fraction and polarization for the decay $B^0 \rightarrow D^* K^{*-}$. <i>Physical Review Letters</i> , 2004 , 92, 141801	7.4	8
139	Evidence for $B^+ \rightarrow K^0 K^+$ and $B^0 \rightarrow K^0 K^0$, and measurement of the branching fraction and search for direct CP violation in $B^+ \rightarrow K^0 \pi^+$. <i>Physical Review Letters</i> , 2005 , 95, 221801	7.4	8
138	Evidence for $(t\bar{t})$ 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> , 2020 , 80, 1	4.2	8
137	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
136	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> , 2020 , 80, 1	4.2	8

135	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> , 2021 , 2021, 1	5.4	8
134	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 (fb^{-1}) of proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
133	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> , 2021 , 2021, 1	5.4	8
132	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> , 2016 , 2016, 1	5.4	8
131	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of (\sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
130	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> , 2018 , 78, 102	4.2	7
129	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> , 2016 , 76, 683	4.2	7
128	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> , 2018 , 2018, 1	5.4	7
127	Measurement of the ($\overline{t}\gamma$) production cross section in proton-proton collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
126	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> , 2017 , 2017, 1	5.4	7
125	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> , 2017 , 2017, 1	5.4	7
124	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> , 2017 , 2017, 1	5.4	7
123	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> , 2017 , 2017, 1	5.4	7
122	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> , 2017 , 2017, 1	5.4	7
121	Observation of $B^+ \rightarrow \mu^+ K^0$ and measurement of its branching fraction and charge asymmetry. <i>Physical Review D</i> , 2007 , 76,	4.9	7
120	Improved measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^*+D^*\mu$ <i>Physical Review D</i> , 2007 , 76,	4.9	7
119	Measurement of B decays to μK <i>Physical Review D</i> , 2007 , 75,	4.9	7
118	Measurements of B^+ branching fractions of Cabibbo-suppressed decay modes involving Ξ and Σ . <i>Physical Review D</i> , 2007 , 75,	4.9	7

117	Measurement of branching fractions and mass spectra of $B \rightarrow K\pi\pi\gamma$. <i>Physical Review Letters</i> , 2007 , 98, 211804	7.4	7
116	Observation of $B \rightarrow \eta' K^*$ and evidence for $B \rightarrow \eta' \rho^+$. <i>Physical Review Letters</i> , 2007 , 98, 051802	7.4	7
115	Search for the W-exchange decays $B^0 \rightarrow D_s^{(*)} D_s^{(*)+}$. <i>Physical Review D</i> , 2005 , 72,	4.9	7
114	Precise branching ratio measurements of the decays $D^0 \rightarrow \pi^0 \pi^0$ and $D^0 \rightarrow K_S^0 \pi^0$ relative to the $D^0 \rightarrow K_S^0 \pi^0$ decay. <i>Physical Review D</i> , 2006 , 74,	4.9	7
113	Search for rare quark-annihilation decays, $B \rightarrow D_s^{(*)} \pi$. <i>Physical Review D</i> , 2006 , 73,	4.9	7
112	Search for the decay of a B^0 or B^{\pm} meson to $K_S^0 K^0$ or $K^* K^0$. <i>Physical Review D</i> , 2006 , 74,	4.9	7
111	Search for the radiative decays $B \rightarrow \rho\gamma$ and $B^0 \rightarrow \omega\gamma$. <i>Physical Review Letters</i> , 2004 , 92, 111801	7.4	7
110	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)+/-} D^{+/-}$ decays. <i>Physical Review Letters</i> , 2005 , 95, 131802	7.4	7
109	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> , 2021 , 81, 1	4.2	7
108	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 ($\sqrt{s} = 13$) (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
107	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> , 2016 , 76, 670	4.2	7
106	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> , 2016 , 76, 541	4.2	7
105	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> , 2016 , 76, 81	4.2	7
104	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> , 2021 , 81, 1	4.2	7
103	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4.2	6
102	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> , 2017 , 2017, 1	5.4	6
101	Top-quark mass measurement in the all-hadronic ($t\bar{t}$) decay channel at ($\sqrt{s} = 8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
100	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , 2008 , 101, 091801	7.4	6

99	Measurement of the CP asymmetry and branching fraction of $B_0 \rightarrow \rho^0 K^0$. <i>Physical Review Letters</i> , 2007 , 98, 051803	7.4	6
98	Search for the radiative decay $B_0 \rightarrow \gamma \pi^0 \pi^0$. <i>Physical Review D</i> , 2005 , 72,	4.9	6
97	Measurement of the $B \rightarrow D^0 K^* \pi$ branching fraction. <i>Physical Review D</i> , 2006 , 73,	4.9	6
96	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> , 2020 , 2020, 1	5.4	6
95	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> , 2021 , 2021, 1	5.4	6
94	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> , 2021 , 2021, 1	5.4	6
93	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> , 2021 , 2021, 1	5.4	6
92	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> , 2017 , 77, 220	4.2	5
91	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> , 2019 , 2019, 1	5.4	5
90	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> , 2018 , 78, 186	4.2	5
89	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> , 2017 , 2017, 1	5.4	5
88	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> , 2015 , 2015, 1-76	5.4	5
87	Search for the rare charmless hadronic decay $B^+ \rightarrow \pi^0 \pi^0$. <i>Physical Review D</i> , 2008 , 77,	4.9	5
86	Measurement of CP asymmetries in $B_0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , 2007 , 76,	4.9	5
85	Measurements of B meson decays to $K^* \pi$ and $\pi \pi$. <i>Physical Review D</i> , 2005 , 71,	4.9	5
84	Search for the rare decays $B_0 \rightarrow D_s^*(*) + \pi^0(2)$. <i>Physical Review D</i> , 2006 , 73,	4.9	5
83	Search for the rare leptonic decay $B^+ \rightarrow \mu^+ \nu(\mu)$. <i>Physical Review Letters</i> , 2004 , 92, 221803	7.4	5
82	Search for $B^+ \rightarrow [K^-(\pi^+) \pi^0] D^0 K^+$ and upper limit on the $b \rightarrow u$ amplitude in $B^+ \rightarrow D^0 K^+$. <i>Physical Review Letters</i> , 2004 , 93, 131804	7.4	5

81	Measurement of the B0 meson lifetime with partial reconstruction of $B^0 \rightarrow D^{*+} \pi^-$ and $B^0 \rightarrow D^{*0} \pi^-$ decays. <i>Physical Review D</i> , 2003 , 67,	4.9	5
80	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> , 2020 , 2020, 1	5.4	5
79	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> , 2020 , 2020, 1	5.4	5
78	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> , 2020 , 2020, 1	5.4	5
77	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> , 2021 , 2021, 1	5.4	5
76	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> , 2021 , 81, 1	4.2	5
75	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> , 2016 , 76, 375	4.2	5
74	Measurement of the relative width difference of the $(\overline{B}^0 \pi^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
73	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> , 2021 , 81, 1	4.2	5
72	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> , 2021 , 2021, 1	5.4	5
71	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4.2	5
70	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> , 2018 , 78, 487	4.2	5
69	Measurement of jet activity in top quark events using the final state with two b-tagged jets in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
68	Search for the decays $B^0 \rightarrow e^+ e^- \pi^0$ and $B^0 \rightarrow \mu^+ \mu^- \pi^0$ <i>Physical Review D</i> , 2008 , 77,	4.9	4
67	Observation of $B^+ \rightarrow \phi \pi^+ K^0$ and evidence for $B^0 \rightarrow \phi \pi^0 K^0$ below $\eta(c)$ threshold. <i>Physical Review Letters</i> , 2006 , 97, 261803	7.4	4
66	Search for b \rightarrow u transitions in $B^{\pm} [K^0] D K^{\pm}$ <i>Physical Review D</i> , 2007 , 76,	4.9	4
65	Evidence for the Rare Decay $B^+ \rightarrow D_s^+ \pi^0$. <i>Physical Review Letters</i> , 2007 , 98,	7.4	4
64	Search for the decay $B^{\pm} \rightarrow 3 \pi^{\pm} \pi^0$ <i>Physical Review D</i> , 2006 , 73,	4.9	4

63	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> , 2004 , 93, 081801	7.4	4
62	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> , 2020 , 80, 1	4.2	4
61	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
60	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> , 2019 , 79, 1	4.2	4
59	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> , 2021 , 81, 1	4.2	4
58	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4.2	3
57	Measurement of the k_t splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
56	Measurement of the branching fraction and decay rate asymmetry of $B^0 \rightarrow D^0 K^0$. <i>Physical Review D</i> , 2005 , 72,	4.9	3
55	Search for the decay $B^0 \rightarrow K_S^0 K_S^0 K_L^0$. <i>Physical Review D</i> , 2006 , 74,	4.9	3
54	Search for B meson decays to $\tau^+ K^-$. <i>Physical Review D</i> , 2006 , 74,	4.9	3
53	Measurement of the branching fraction for $B^0 \rightarrow D^0 K^0$. <i>Physical Review D</i> , 2004 , 69,	4.9	3
52	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector 2015 , 75, 1		3
51	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider 2015 , 75, 1		3
50	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> , 2020 , 80, 1	4.2	3
49	Measurement of the inclusive jet cross-section in proton-proton collisions at $(\sqrt{s}=7)$ TeV using 4.5 fb ⁻¹ of data with the ATLAS detector 2015 , 2015, 1		3
48	Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
47	Searches for compact binary coalescence events using neural networks in the LIGO/Virgo second observation period. <i>Physical Review D</i> , 2021 , 103,	4.9	3
46	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> , 2021 , 2021, 1	5.4	3

45	Measurement of hadronic event shapes in high-pT multijet final states at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
44	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	2
43	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> , 2008 , 100,	7.4	2
42	Search for prompt production of $\bar{\nu}$ and $X(3872)$ in e^+e^- annihilations. <i>Physical Review D</i> , 2007 , 76,	4.9	2
41	Measurement of $\sin^2 2\beta$ with hadronic and previously unused muonic J/ψ decays. <i>Physical Review D</i> , 2004 , 69,	4.9	2
40	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using ($\sqrt{s} = 13$ TeV) proton-proton collision data. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
39	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> , 2021 , 2021, 1	5.4	2
38	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
37	Search for supersymmetry in events with four or more charged leptons in 139 fb of (\sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
36	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> , 2019 , 79, 1	4.2	2
35	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> , 2021 , 2021, 1	5.4	2
34	A search for an excited muon decaying to a muon and two jets in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2016 , 18, 073021	2.9	1
33	Search for the rare decay $B \rightarrow D^* \mu^+ \mu^-$. <i>Physical Review D</i> , 2005 , 72,	4.9	1
32	Measurement of the average K multiplicity in B meson decay. <i>Physical Review D</i> , 2004 , 69,	4.9	1
31	B physics in ATLAS. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1996 , 50, 303-310		1
30	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ($\sqrt{s}=8$, TeV) with the ATLAS detector 2016 , 76, 1		1
29	Search for top squarks in events with a Higgs or Z boson using 139 fb of pp collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
28	Determination of the light exposure on the photodiodes of a new instrumented baffle for the Virgo input mode cleaner end-mirror. <i>Classical and Quantum Gravity</i> , 2021 , 38, 045002	3.3	1

27	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> , 2021 , 2021, 1	5.4	1
26	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W\bar{W}$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
25	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
24	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> , 2021 , 81, 1	4.2	1
23	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> , 2021 , 81, 1	4.2	1
22	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
21	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
20	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
19	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> , 2022 , 82, 1	4.2	1
18	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
17	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> , 2022 , 2022, 1	5.4	0
16	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> , 2022 , 82, 1	4.2	0
15	Measurement of the $t(\bar{t})t(\bar{t})$ production cross section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
14	Measurements of $W+W\bar{W}$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
13	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> , 2021 , 81, 1	4.2	0
12	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> , 2021 , 2021, 1	5.4	0
11	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> , 2021 , 81, 1	4.2	0
10	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0

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8	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> , 2022 , 82, 1	4.2	o
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6	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	o
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