

# Matteo Negrini

## List of Publications by Citations

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

930  
papers

31,130  
citations

77  
h-index

124  
g-index

964  
ext. papers

35,255  
ext. citations

5.2  
avg, IF

3.03  
L-index

#	Paper	IF	Citations
930	Heavy quarkonium: progress, puzzles, and opportunities. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	1102
929	Observation of a broad structure in the $\pi^+ \pi^- J/\psi$ mass spectrum around 4.26 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2005</b> , 95, 142001	7.4	526
928	Observation of a narrow meson state decaying to $D^{(*)} \pi(0)$ at a mass of 2.32 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 242001	7.4	509
927	Study of the $B \rightarrow J/\psi K$ decay and measurement of the $B \rightarrow X(3872) K$ branching fraction. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	333
926	Searches for Lepton flavor violation in the decays $\tau_{\mu} \rightarrow e \gamma$ and $\tau_{\tau} \rightarrow \mu \gamma$ . <i>Physical Review Letters</i> , <b>2010</b> , 104, 021802	7.4	328
925	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4.2	276
924	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
923	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
922	Measurement of the $B \rightarrow D$ transition form factor. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	246
921	The Physics of the B Factories. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	233
920	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
919	Evidence of a broad structure at an invariant mass of 4.32 GeV/c <sup>2</sup> in the reaction $e^+e^- \rightarrow \pi^+\pi^-\psi(2S)$ measured at BABAR. <i>Physical Review Letters</i> , <b>2007</b> , 98, 212001	7.4	200
918	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
917	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
916	Evidence for $D^0$ - $\bar{D}^0$ mixing. <i>Physical Review Letters</i> , <b>2007</b> , 98, 211802	7.4	186
915	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
914	Study of $e^+e^- \rightarrow \mu^+\mu^-$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	180

913	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4.2	177
912	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
911	Precise measurement of the $e^+e^- \rightarrow \pi^+\pi^-\gamma$ cross section with the initial state radiation method at BABAR. <i>Physical Review Letters</i> , <b>2009</b> , 103, 231801	7.4	163
910	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4.2	160
909	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
908	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
907	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> , <b>2016</b> , 76, 45	4.2	152
906	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
905	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
904	Search for dimuon decays of a light scalar boson in radiative transitions $Upsilon \rightarrow \gamma A_0$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 081803	7.4	139
903	Measurement of the $B \rightarrow Xsl^+l^-$ branching fraction with a sum over exclusive modes. <i>Physical Review Letters</i> , <b>2004</b> , 93, 081802	7.4	139
902	Measurement of double charmonium production in $e^+e^-$ annihilations at $s=10.6$ GeV. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	136
901	Direct CP violating asymmetry in $B_0 \rightarrow K^+\pi^-$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 131801	7.4	136
900	Evidence for $X(3872) \rightarrow \psi(2S)\gamma$ in $B^{+/-} \rightarrow X(3872)K^{+/-}$ decays and a study of $B \rightarrow cc[\overline{\gamma}K]$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 132001	7.4	134
899	Observation of the bottomonium ground state in the decay $Upsilon(3S) \rightarrow \gamma \eta'$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 071801	7.4	132
898	Measurements of $e^+e^- \rightarrow K^+K^-K^0\bar{K}^0$ , and $K_S^0K^0\bar{K}^0$ cross sections using initial state radiation events. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	127
897	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
896	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	124

895	Study of the $e^+e^- \rightarrow \mu^+\mu^-$ process using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	122
894	Search for lepton flavor violation in the decay $\tau_{\mu/\nu} \rightarrow \mu^+ \gamma$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 041802	7.4	121
893	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> , <b>2014</b> , 2014, 1	5.4	120
892	Evidence for the decay $X(3872) \rightarrow J/\psi \pi^+\pi^-$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	119
891	Measurements of branching fractions, rate asymmetries, and angular distributions in the rare decays $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \tau^+ \tau^-$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	119
890	Observation of a new $D_s$ meson decaying to DK at a mass of 2.86 GeV/c <sup>2</sup> . <i>Physical Review Letters</i> , <b>2006</b> , 97, 222001	7.4	117
889	Rates, polarizations, and asymmetries in charmless vector-vector B meson decays. <i>Physical Review Letters</i> , <b>2003</b> , 91, 171802	7.4	117
888	Search for doubly charmed baryons $\Xi_{cc}^+$ and $\Xi_{cc}^{++}$ in BABAR. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	116
887	Observation of new resonances decaying to $D^0$ and $D^{*0}$ in inclusive $e^+e^-$ collisions near $\sqrt{s} = 10.58$ GeV. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	111
886	Observation of $Y(3940) \rightarrow J/\psi \omega$ in $B \rightarrow J/\psi \omega K$ at BABAR. <i>Physical Review Letters</i> , <b>2008</b> , 101, 082001	7.4	111
885	The $e^+e^- \rightarrow 2(\pi^+\pi^-)$ , $2(\pi^+\pi^-)K^+K^-$ and $K^+K^-$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	111
884	Precise measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section with the initial-state radiation method at BABAR. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	110
883	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , <b>2015</b> , 75, 510	4.2	109
882	$e^+e^- \rightarrow \pi^+\pi^-K^+K^-$ and $K^+K^-K^+K^-$ cross sections at center-of-mass energies 0.5–4.5 GeV measured with initial-state radiation. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	109
881	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $(\sqrt{s} = 8)$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
880	Search for the $Z(4430) \rightarrow \pi^+\pi^-$ at BABAR. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	108
879	Measurement of the $[e^+e^- \rightarrow \mu^+\mu^-]$ production cross-section using $[e^+e^- \rightarrow \mu^+\mu^-]$ events with $[e^+e^- \rightarrow \mu^+\mu^-]$ -tagged jets in $[e^+e^-]$ collisions at $[e^+e^-]$ and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3109	4.2	107
878	The $e^+e^- \rightarrow 3(\pi^+\pi^-)$ , $2(\pi^+\pi^-)$ and $K^+K^-$ cross sections at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	107

877	Search for $B^{+ \rightarrow X(3872)K^+}$ , $X(3872) \rightarrow J/\psi$ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	106
876	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104
875	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> , <b>2012</b> , 72, 1	4.2	104
874	Structure at 2175 MeV in $e^+e^- \rightarrow f_0(980)$ observed via initial-state radiation. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	102
873	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101
872	Study of resonances in exclusive B decays to $D^{(*)}D^{(*)}K$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	100
871	Observation of a Charmed Baryon Decaying to $D; \{0\}p$ at a Mass Near $2.94 \text{ GeV}/c; \{2\}$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 012001	7.4	97
870	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
869	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	92
868	Improved measurement of CP asymmetries in $B^0 \rightarrow (cc)K(0^{(*)})$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 94, 161803	7.4	92
867	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
866	Search for lepton flavor violation in the decay $\tau_{+/-} \rightarrow e_{+/-} \gamma$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 041801	7.4	91
865	Dalitz-plot analysis of the decays $B_{\pm} \rightarrow K_{\pm}^* K_{\pm}^*$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	89
864	Measurement of the $B_{\pm} \rightarrow \bar{D}^0$ and $B_{\pm} \rightarrow D^0$ transition form factors. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	86
863	Study of $D_s J$ decays to $D^* K$ in inclusive $e^+e^-$ interactions. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	86
862	$e^+e^- \rightarrow K^+ K_{\pm}^* K_{\mp}^* K^0$ and $K^+ K_{\pm}^* K_{\mp}^* K^0$ cross sections measured with initial-state radiation. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	86
861	Observation of an excited charm baryon $\Omega_c^*$ decaying to $\Omega_c \gamma$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 232001	7.4	86
860	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> , <b>2005</b> , 72,	4.9	86

859	Measurement of time-dependent CP asymmetry in $B^0 \rightarrow \text{cc} \bar{K}^0$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	84
858	Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow K^{(*)} \mu \mu$ <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	82
857	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
856	Study of $e^+e^- \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ using initial state radiation with BABAR. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	81
855	Measurement of the Z/ $\gamma$ boson transverse momentum distribution in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
854	Observation of the semileptonic decays $B \rightarrow D^* \tau \nu_\tau$ and evidence for $B \rightarrow D \tau \nu_\tau$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 021801	7.4	79
853	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	76
852	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4.2	76
851	Study of $B \rightarrow \mu \mu$ and $B \rightarrow \mu \tau$ decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	76
850	Study of the X(3872) and Y(4260) in $B^0 \rightarrow J/\psi \bar{K}^0$ and $B \rightarrow J/\psi \bar{K}$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	76
849	Measurements of the mass and width of the eta(c) meson and of an eta(c)(2S) candidate. <i>Physical Review Letters</i> , <b>2004</b> , 92, 142002	7.4	76
848	Study of the reaction $e^+e^- \rightarrow J/\psi \mu \mu$ via initial-state radiation at BABAR. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	75
847	Exclusive initial-state-radiation production of the $D\bar{D}$ , $D^* \bar{D}$ , and $D^* \bar{D}^*$ systems. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	75
846	Study of $B \rightarrow X(3872) K$ , with $X(3872) \rightarrow J/\psi \mu \mu$ <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	75
845	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	74
844	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
843	Study of the exclusive initial-state-radiation production of the $D\bar{D}$ system. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	73
842	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72

841	Time-integrated and time-dependent angular analyses of $B \rightarrow J/\psi K^0$ measurement of $\cos 2\phi_1$ with no sign ambiguity from strong phases. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	72
840	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4.2	71
839	Search for a charged partner of the $X(3872)$ in the B meson decay $B \rightarrow X_c J/\psi$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	71
838	Observation of a narrow meson decaying to $D_s + \bar{D}^0$ at a mass of $2.458 \text{ GeV}/c^2$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	71
837	Measurement of $D^0$ - $\bar{D}^0$ mixing parameters using $D^0 \rightarrow K(S)(0)\pi^0$ and $D^0 \rightarrow K(S)(0)K^+ K^-$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 081803	7.4	70
836	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
835	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> , <b>2014</b> , 2014, 1	5.4	67
834	Evidence for the $\eta(b)(1S)$ meson in radiative $\Upsilon(2S)$ decay. <i>Physical Review Letters</i> , <b>2009</b> , 103, 161801	7.4	67
833	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> , <b>2015</b> , 75, 412	4.2	66
832	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> , <b>2015</b> , 2015, 1-39	5.4	66
831	Measurement of the $B^0 \rightarrow \phi K^0$ decay amplitudes. <i>Physical Review Letters</i> , <b>2004</b> , 93, 231804	7.4	66
830	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4.2	66
829	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65
828	Search for $B^+ \rightarrow \pi^0 \pi^0$ recoiling against $B \rightarrow D^0 X$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	65
827	Search for T, CP, and CPT violation in $B^0$ - $\bar{B}^0$ mixing with inclusive dilepton events. <i>Physical Review Letters</i> , <b>2006</b> , 96, 251802	7.4	65
826	Measurement of the $B^+ \rightarrow \rho^0 K^+$ branching fraction and study of the decay dynamics. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	65
825	Search for lepton-flavor violation in the decay $\tau \rightarrow l^+ l^- l^-$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 121801	7.4	65
824	Measurement of the Cabibbo-Kobayashi-Maskawa angle $\gamma$ in $B^+ \rightarrow D^0 K^+$ decays with a Dalitz analysis of $D^0 \rightarrow K^0(S) \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 121802	7.4	65

823	Search for the $(\overline{b})$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	64
822	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> , <b>2013</b> , 2013, 1	5.4	64
821	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> , <b>2016</b> , 76, 291	4.2	63
820	Angular distributions in the decay $B \rightarrow K^* l^+ l^-$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	63
819	Improved measurement of the CKM angle $\beta$ in $B \rightarrow D^{(*)} K^{(*)}$ decays with a Dalitz plot analysis of D decays to $KS_0^0 \pi^0$ and $KS_0^0 K^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	63
818	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> , <b>2015</b> , 75, 69	4.2	62
817	Search for $B \rightarrow \mu^+ \mu^-$ decays with hadronic B tags. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	62
816	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4.2	61
815	Study of excited charm-strange baryons with evidence for new baryons $\Lambda_c(3055)^+$ and $\Lambda_c(3123)^+$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	61
814	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
813	Observation of the $\eta(2P)$ meson in the reaction $\psi \rightarrow D \bar{D}$ at BABAR. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	60
812	Search for CP violation in the decays $D_0 \rightarrow K^- K^+$ and $D_0 \rightarrow \pi^- \pi^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 061803	7.4	60
811	Measurements of the absolute branching fractions of $B^{\pm} \rightarrow K^{\pm} X(cc)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 052002	7.4	60
810	Measurement of the $\gamma$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
809	Study of the reaction $e^+e^- \rightarrow (2S) \mu^+\mu^-$ via initial-state radiation at BaBar. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	59
808	Measurement of the $\Lambda$ and $\Sigma$ transition form factors at $q^2=112 \text{ GeV}^2$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	59
807	Measurement of the electron energy spectrum and its moments in inclusive $B \rightarrow X e \mu$ decays. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	59
806	Measurements of the magnetic form factor of the proton for timelike momentum transfers. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 559, 20-25	4.2	59



805	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
804	Study of CP violation in Dalitz-plot analyses of $B^0 \rightarrow K^+ K^- S^0$ , $B^+ \rightarrow K^+ K^- S^+$ , and $B^+ \rightarrow K^0 K^0 K^+$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	58
803	Direct CP, lepton flavor, and isospin asymmetries in the decays $B \rightarrow K^{(*)} l^+ l^-$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 091803	7.4	58
802	Evidence for direct CP violation from Dalitz-plot analysis of $B^+ \rightarrow K^+ \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	58
801	Results of a search for the $hc(P11)$ state of charmonium in the $\pi^+ \pi^-$ and $J/\psi$ decay modes. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	58
800	A search for ( $\overline{t}$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
799	Measurement of $ V_{cb} $ and the form-factor slope in $B \rightarrow D l \nu(l)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2010</b> , 104, 011802	7.4	57
798	Measurement of the $e^+ e^- \rightarrow b \overline{b}$ Cross Section between $\sqrt{s}=10.54$ and 11.20 GeV. <i>Physical Review Letters</i> , <b>2009</b> , 102, 012001	7.4	57
797	Determination of the Branching Fraction for $B \rightarrow X_c D$ Decays and of $ V_{cb} $ from Hadronic-Mass and Lepton-Energy Moments. <i>Physical Review Letters</i> , <b>2004</b> , 93,	7.4	57
796	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	56
795	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
794	Precision measurement and interpretation of inclusive $\tau$ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
793	B meson decays to $(P)K^*$ , $(P)\pi(P)D$ , $D$ , and $\overline{D}$ . <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	56
792	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4.2	55
791	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	55
790	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	55
789	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	55
788	Measurement of the $B \rightarrow X_s \gamma$ branching fraction and photon energy spectrum using the recoil method. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	55

787	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> , <b>2008</b> , 100, 011801	7.4	55
786	Evidence for the rare decay $B \rightarrow K^*l+l-$ and measurement of the $B \rightarrow Kl+l-$ branching fraction. <i>Physical Review Letters</i> , <b>2003</b> , 91, 221802	7.4	55
785	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4.2	54
784	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	54
783	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	54
782	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7\sim\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	54
781	Observation of CP violation in $B(0) \rightarrow K(+)\pi(-)$ and $B(0) \rightarrow \pi(+)\pi(-)$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 021603	7.4	54
780	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] = 13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
779	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4.2	53
778	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	53
777	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4.2	53
776	Search for direct top-squark pair production in final states with two leptons in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	52
775	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4.2	52
774	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4.2	52
773	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4.2	52
772	Search for low-mass dark-sector Higgs bosons. <i>Physical Review Letters</i> , <b>2012</b> , 108, 211801	7.4	52
771	Observation of $B^+ \rightarrow K^0K^+$ and $B^0 \rightarrow K^0K^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 171805	7.4	52
770	Dalitz plot analysis of the decay $B \rightarrow K \bar{K} K$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	52

769	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> , <b>2006</b> , 97, 171803	7.4	52
768	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> , <b>2007</b> , 98, 091801	7.4	52
767	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
766	Search for a low-mass higgs boson in $Upsilon(3S) \rightarrow \gamma A(0)$ , $A(0) \rightarrow \tau^+ \tau^-$ at BABAR. <i>Physical Review Letters</i> , <b>2009</b> , 103, 181801	7.4	51
765	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	50
764	Evidence for the ( $H \rightarrow b\bar{b}$ ) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
763	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4.2	50
762	Observation of the decay $B \rightarrow J/\psi \eta$ and search for $X(3872) \rightarrow J/\psi \eta$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 041801	7.4	50
761	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ( $\sqrt{s}=13$ ) (text {TeV}) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
760	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
759	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49
758	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49
757	Search for resonances in diphoton events at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	49
756	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4.2	49
755	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48
754	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
753	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
752	Study of $B \rightarrow D^{(*)} s J$ $+ D^{(*)}$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 181801	7.4	48

751	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	48
750	Measurement of the prompt $[\text{Formula: see text}]$ pair production cross-section in collisions at $[\text{Formula: see text}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4-2	47
749	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4-2	47
748	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	47
747	Measurements of $B(B_{D^0} \rightarrow D^+ p)$ and $B(B_{D^+} \rightarrow D^+ p)$ and studies of $D^+ p$ resonances. <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	47
746	Measurement of branching fractions and CP and isospin asymmetries for $B \rightarrow K^* \pi$ <i>Physical Review D</i> , <b>2004</b> , 70,	4-9	47
745	Search for a new resonance decaying to a or boson and a Higgs boson in the $[\text{Formula: see text}]$ final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4-2	46
744	Light-quark and gluon jet discrimination in $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4-2	46
743	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	46
742	Study of $B^0 \rightarrow \tau\tau$ decays and constraints on the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	46
741	Measurements of branching fractions and CP-violating asymmetries in $B^0 \rightarrow \rho^{(\pm)} h^{(\mp)}$ decays. <i>Physical Review Letters</i> , <b>2003</b> , 91, 201802	7-4	46
740	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ( $\sqrt{s}=8$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	45
739	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	45
738	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	45
737	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $[\text{Formula: see text}]$ TeV in 2010. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3034	4-2	45
736	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s}=7$ ; $\text{TeV}$ ) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	45
735	Search for CPT and lorentz violation in $B^0$ - $B^0$ oscillations with dilepton events. <i>Physical Review Letters</i> , <b>2008</b> , 100, 131802	7-4	45
734	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $[\text{Formula: see text}]$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4-2	44

733	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4.2	44
732	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> , <b>2013</b> , 2013, 1	5.4	44
731	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7$ mTeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	44
730	J/ψ production via initial state radiation in e+e- collisions at an e+e- center-of-mass energy near 10.6 GeV. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	44
729	Angular analysis of B <sup>0</sup> → K <sup>*</sup> ℓℓ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	44
728	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	43
727	Measurements of the semileptonic decays B <sup>-</sup> → D <sup>0</sup> ℓ <sup>-</sup> and B <sup>-</sup> → D <sup>*0</sup> ℓ <sup>-</sup> using a global fit to D <sup>X</sup> final states. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	43
726	Search for production of invisible final states in single-photon decays of (1S). <i>Physical Review Letters</i> , <b>2011</b> , 107, 021804	7.4	43
725	Determination of the form factors for the decay B <sup>0</sup> → D <sup>*0</sup> ℓ <sup>+</sup> ℓ <sup>-</sup> and of the CKM matrix element  V <sub>cb</sub>  . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	43
724	ATLAS b-jet identification performance and efficiency measurement with (t <sup>bar</sup> t) events in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	43
723	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4.2	42
722	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
721	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
720	Search for the Z <sub>1</sub> (4050) <sup>+</sup> and Z <sub>2</sub> (4250) <sup>+</sup> states in B <sup>0</sup> → ℓ <sup>+</sup> ℓ <sup>-</sup> K <sup>0</sup> and B <sup>+</sup> → ℓ <sup>+</sup> ℓ <sup>-</sup> K <sup>0</sup> S <sup>0</sup> . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	42
719	Evidence for direct CP violation in the measurement of the Cabbibo-Kobayashi-Maskawa angle $\alpha$ with B <sup>0</sup> → D <sup>(*)</sup> K <sup>(*)</sup> decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 121801	7.4	42
718	Limits on lepton-flavor violating decays into three charged leptons. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	42
717	Dalitz plot analysis of B <sup>-</sup> → ℓℓℓ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	42
716	Study of B <sup>0</sup> → ℓℓ, B <sup>-</sup> → ℓℓ, and B <sup>-</sup> → Kℓℓ decays, and isospin analysis of B → ℓℓ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42

715	Measurement of the $B \rightarrow K^0 \bar{K}^0$ branching fraction. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
714	Measurement of the hadronic form factor in $D^0 \rightarrow K^0 \bar{K}^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	42
713	Search for heavy resonances in the $B \rightarrow K^0 \bar{K}^0$ and final states using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41
712	Search for direct top squark pair production in events with a $[Formula: see text]$ boson, $[Formula: see text]$ -jets and missing transverse momentum in $[Formula: see text]$ TeV $[Formula: see text]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	41
711	Dalitz plot analysis of $B \rightarrow D^+ \pi^-$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	41
710	Search for hadronic decays of a light Higgs boson in the radiative decay $B \rightarrow \gamma K^0$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 221803	7.4	41
709	Cross sections for the reactions $e^+e^- \rightarrow K^+K^0 \pi^0 K^+K^0 \pi^0$ , and $K^+K^0 \pi^0 K^+K^0 \pi^0$ measured using initial-state radiation events. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	41
708	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \rho^0 K^*$ and $B \rightarrow f_0(980) K^*$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201801	7.4	41
707	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	40
706	Exclusive measurements of $b \rightarrow s \gamma$ transition rate and photon energy spectrum. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	40
705	Measurement of the inclusive electron spectrum in charmless semileptonic B decays near the kinematic end point and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	40
704	Vector-tensor and vector-vector decay amplitude analysis of $B^0 \rightarrow \phi K^*0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051801	7.4	40
703	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	39
702	Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	39
701	A search for $(\bar{t})$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	39
700	Observation of $Upsilon(4S)$ decays to $\pi^+\pi^-Upsilon(1S)$ and $\pi^+\pi^-Upsilon(2S)$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 232001	7.4	39
699	Observation of $B^0$ meson decay to a $1^+/(1260)\pi^+/\pi^-$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 051802	7.4	39
698	Search for $B^+ \rightarrow \mu^+ \pi^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	39

697	Measurement of the pseudoscalar decay constant $f_D$ s using charm-tagged events in $e^+e^-$ collisions at square root $s=10.58$ GeV. <i>Physical Review Letters</i> , <b>2007</b> , 98, 141801	7.4	39
696	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	39
695	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]=8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	38
694	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	38
693	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
692	Measurements of charged current lepton universality and $ V_{us} $ using tau lepton decays to $e^-$ ( $e^+$ ) $\mu^-$ ( $\mu^+$ ) $\nu_\mu$ ( $\bar{\nu}_\mu$ ) and $K^-$ ( $K^+$ ). <i>Physical Review Letters</i> , <b>2010</b> , 105, 051602	7.4	38
691	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ( $\sqrt{s} = 13$ ) (text {TeV}). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	37
690	Measurement of the production of a W boson in association with a charm quark in pp collisions at ( $\sqrt{s} = 7$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	37
689	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	37
688	Time-dependent amplitude analysis of $B^0 \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	37
687	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37
686	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36
685	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at ( $\sqrt{s} = 8$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	36
684	Measurement of $D^0\bar{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K_S^0, K_S^{*0},$ and $\pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
683	Time-dependent and time-integrated angular analysis of $B \rightarrow K_S^0 \pi^0$ and $K_S^{*0} \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	36
682	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> , <b>2006</b> , 97, 211801	7.4	36
681	Observation of the decay $B^+ \rightarrow K^+ K^- \pi^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 221801	7.4	36
680	Improved limits on the lepton-flavor violating decays $\tau \rightarrow \ell^+ \ell^- \ell^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251803	7.4	36

679	Measurement of CP asymmetries in $B^0 \rightarrow \eta' K^0$ and $B^0 \rightarrow K^+ K^0 \bar{K}^0$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	36
678	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B^0 \bar{B}^0$ oscillations. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	36
677	Measurements of branching fractions and time-dependent CP-violating asymmetries in $B \rightarrow \eta' K$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 94, 191802	7.4	36
676	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> , <b>2005</b> , 94, 181802	7.4	36
675	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
674	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
673	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
672	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
671	Measurement of the $B \rightarrow \bar{B}$ transition form factor. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	35
670	Search for invisible decays of the Upsilon(1S). <i>Physical Review Letters</i> , <b>2009</b> , 103, 251801	7.4	35
669	Study of the $D_s J^*(2317)^+$ and $D_s J(2460)^+$ mesons in inclusive $cc$ production near $\sqrt{s} = 10.6$ GeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	35
668	Measurement of the inclusive charmless semileptonic branching ratio of B mesons and determination of $ V_{ub} $ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 071802	7.4	35
667	Study of the decay $B^0(B^-) \rightarrow \rho^+ \rho^-$ , and constraints on the Cabibbo-Kobayashi-Maskawa angle $\alpha$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 231801	7.4	35
666	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	34
665	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
664	Measurement of $D^0$ - $\bar{D}^0$ mixing from a time-dependent amplitude analysis of $D^0 \rightarrow K^+ \pi^- \pi^0$ decays. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211801	7.4	34
663	Measurements of moments of the hadronic mass distribution in semileptonic B decays. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	34
662	Observation of a significant excess of $\pi^0 \pi^0$ events in B meson decays. <i>Physical Review Letters</i> , <b>2003</b> , 91, 241801	7.4	34



661	Search for the decay $B^+ \rightarrow K^+ \nu \nu$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 101801	7-4	34
660	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4-2	34
659	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4-2	33
658	Searches for rare or forbidden semileptonic charm decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	33
657	Measurement of decay amplitudes of $B \rightarrow J/\psi K^*$ , $B \rightarrow \psi(2S) K^*$ , and $B \rightarrow \psi(3770) K^*$ with an angular analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	33
656	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> , <b>2007</b> , 75,	4-9	33
655	Search for lepton flavor violating decays $\tau(\pm) \rightarrow l(\pm) \pi^0$ , $l(\pm) \eta$ , $l(\pm) \eta'$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 061803	7-4	33
654	Limits on $D^0$ - $\bar{D}^0$ mixing and CP violation from the ratio of lifetimes for decay to $K\pi^+$ , $K\pi^+$ , and $\pi^-\pi^+$ . <i>Physical Review Letters</i> , <b>2003</b> , 91, 121801	7-4	33
653	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at $(\sqrt{s}=8)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5-4	33
652	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> , <b>2018</b> , 2018, 1	5-4	33
651	Search for charged Higgs bosons decaying via $H \rightarrow \mu\mu$ in the $\mu$ jets and $\mu$ lepton final states with 36 fb $^{-1}$ of pp collision data recorded at $(\sqrt{s}=13)$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	33
650	Measurement of the top quark mass in the $t \rightarrow Wb$ and $t \rightarrow Zq$ channels using $\sqrt{s}=13$ TeV ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4-2	32
649	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4-2	32
648	Study of $B^0 \rightarrow \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- K^0$ decays at BABAR. <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	32
647	Measurements of CP-violating asymmetries in the decay $B^0 \rightarrow K^+ K^- K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 161802	7-4	32
646	Search for lepton-flavor and lepton-number violation in the decay $\tau^- \rightarrow l^+ h^- h'^-$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 191801	7-4	32
645	Search for pair production of Higgs bosons in the $(\overline{b}b)$ final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	31
644	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	31

643	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ( $\sqrt{s}=7$ ) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	3 <sup>1</sup>
642	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4.2	3 <sup>1</sup>
641	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	3 <sup>1</sup>
640	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at ( $\sqrt{s} = 8$ ) TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>1</sup>
639	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7$ mathrm{TeV}) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	3 <sup>1</sup>
638	Measurement of CP asymmetries and branching fractions in charmless two-body B-meson decays to pions and kaons. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	3 <sup>1</sup>
637	Dalitz plot analysis of $D_{s^{*+}} \rightarrow \pi^+ \pi^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	3 <sup>1</sup>
636	Improved measurement of CP violation in neutral B decays to $c\bar{c}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 171803	7.4	3 <sup>1</sup>
635	Measurement of CP violation parameters with a Dalitz plot analysis of $B_{\{+/-\}} \rightarrow D \pi^+ \pi^- \pi^0 K_{\{+/-\}}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 251801	7.4	3 <sup>1</sup>
634	Measurement of the $B^+/B^0$ production ratio from the $\Upsilon(4S)$ meson using $B^+ \rightarrow J/\psi K^+$ and $B^0 \rightarrow J/\psi K^0$ decays. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	3 <sup>1</sup>
633	Improved Measurement of the Cabibbo-Kobayashi-Maskawa angle $\alpha$ using $B^0(B) \rightarrow \rho^+ \rho^-$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 041805	7.4	3 <sup>1</sup>
632	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3 <sup>1</sup>
631	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	3 <sup>0</sup>
630	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3 <sup>0</sup>
629	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ( $\sqrt{s}=8$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	3 <sup>0</sup>
628	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	3 <sup>0</sup>
627	Measurement of $D^0 \overline{D}^0$ mixing using the ratio of lifetimes for the decays $D^0 \rightarrow K^+ \pi^-$ and $K^+ K^-$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	3 <sup>0</sup>
626	Dalitz plot analysis of $D_{s^{*+}} \rightarrow K^+ K^0$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	3 <sup>0</sup>

625	Amplitude analysis of the decay $B_{\bar{c}} \rightarrow \bar{c} \bar{c} \bar{c}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
624	Limits on the decay-rate difference of neutral B mesons and on CP, T, and CPT violation in $B(0-0)B$ oscillations. <i>Physical Review Letters</i> , <b>2004</b> , 92, 181801	7.4	30
623	Precision measurement of the $\bar{\Lambda}^+$ baryon mass. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	30
622	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	30
621	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29
620	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
619	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	29
618	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
617	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
616	Measurement of the $B_0 \rightarrow \bar{c} \bar{c} \bar{c}$ and $B^+ \rightarrow \bar{c} \bar{c} \bar{c}$ branching fractions, the $B_0 \rightarrow \bar{c} \bar{c} \bar{c}$ and $B^+ \rightarrow \bar{c} \bar{c} \bar{c}$ form-factor shapes, and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	29
615	Study of $B \rightarrow D^{(*)} D_s(J)^{(*)}$ decays and measurement of $D_s \bar{c}$ and $D_s J(2460) \bar{c}$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	29
614	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
613	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
612	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
611	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
610	Observation of the $\Upsilon(13DJ)$ bottomonium state through decays to $\bar{c} \Upsilon(1S)$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
609	Study of $B \rightarrow X \bar{c}$ decays and determination of $ V_{td}/V_{ts} $ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	28
608	Measurement of $B \rightarrow K^{*} \gamma$ branching fractions and CP and Isospin asymmetries. <i>Physical Review Letters</i> , <b>2009</b> , 103, 211802	7.4	28

607	Measurement of the branching fractions of $B \rightarrow D^{**}(\ell) \nu(\ell)$ decays in events tagged by a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 101, 261802	7.4	28
606	Search for $D^0\bar{D}^0$ mixing using doubly flavor tagged semileptonic decay modes. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
605	Measurement of CP-violating asymmetries in $B^0 \rightarrow \ell\bar{\ell}$ using a time-dependent Dalitz plot analysis. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
604	Evidence for the $B^0 \rightarrow \rho\rho^*K^0$ and $B^+ \rightarrow \rho^*K^+$ decays and study of the decay dynamics of B meson decays into $\rho\rho$ final states. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	28
603	New measurements of the resonance parameters of the $\psi(13P0)$ state of charmonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 533, 237-242	4.2	28
602	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
601	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
600	Fiducial, total and differential cross-section measurements of $\gamma$ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27
599	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	27
598	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
597	Studies of $B \rightarrow K^*K$ and $B \rightarrow K^*K^*$ at BABAR and a search for a second-class current. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	27
596	Search for the rare decay $B^0 \rightarrow \tau^+\tau^-$ at BABAR. <i>Physical Review Letters</i> , <b>2006</b> , 96, 241802	7.4	27
595	Study of $B \rightarrow \ell^+\ell^-$ and $B \rightarrow \ell^+\ell^-K^*$ decays and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	27
594	Measurements of the decays $B^0 \rightarrow D^0\pi^+\pi^-$ , $B^0 \rightarrow D^0\rho^+\pi^-$ , $B^0 \rightarrow D^0\rho^-\pi^+$ , and $B^0 \rightarrow D^0\pi^+\pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	27
593	Search for strange-pentaquark production in e+e- annihilation at $\sqrt{s} = 10.58$ GeV. <i>Physical Review Letters</i> , <b>2005</b> , 95, 042002	7.4	27
592	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4.2	27
591	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
590	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26

589	Measurement of $\tau_1$ and $\tau_2$ production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
588	Measurements of the production cross section of a $[Formula: see text]$ boson in association with jets in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
587	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	26
586	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
585	Measurement of CP observables in $B_{\mu} \rightarrow DCPK_{\mu}$ decays and constraints on the CKM angle $\rho$ <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	26
584	Measurement of semileptonic B decays into orbitally excited charmed mesons. <i>Physical Review Letters</i> , <b>2009</b> , 103, 051803	7.4	26
583	Measurements of the $\Gamma$ mass and the mass difference of the $B_{\mu}$ and $B_{\mu}$ at BABAR. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	26
582	Measurements of neutral B decay branching fractions to $KS_0^0$ final states and the charge asymmetry of $B_0 \rightarrow K^* +$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	26
581	Observation of the decay $B_0 \rightarrow \mu^+ \mu^-$ and measurement of the branching fraction and polarization. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	26
580	Measurement of branching fractions and charge asymmetries for exclusive B decays to charmonium. <i>Physical Review Letters</i> , <b>2005</b> , 94, 141801	7.4	26
579	Improved measurements of CP-violating asymmetry amplitudes in $B_0 \rightarrow \pi^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 151803	7.4	26
578	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
577	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
576	Multi-channel search for squarks and gluinos in $[Formula: see text]$ collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4.2	25
575	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
574	Search for $[Formula: see text]$ decays in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4.2	25
573	Analysis of the $D^+ \rightarrow K^0 e^+ \mu^+$ decay channel. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	25
572	Study of hadronic transitions between $B_{\mu}$ states and observation of $(4S) \rightarrow (1S)$ decay. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25

571	Dalitz plot analysis of the decay $B_0(B^0) \rightarrow K^0 K^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
570	Study of the decay $D_{s^+} \rightarrow K^+ K^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	25
569	Measurements of CP-violating asymmetries in $B_0 \rightarrow a_1^{+/-} (1260) \pi^{+/-}$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 181803	7.4	25
568	Measurement of the $B_0 \rightarrow D^* D_{s^+}$ and $D_{s^+} \rightarrow \pi^0$ branching fractions. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	25
567	Measurement of the direct CP asymmetry in $b \rightarrow s$ gamma Decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 021804	4.9	25
566	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
565	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
564	Measurement of the top quark mass in the ( $t \rightarrow b \gamma$ ) lepton+jets channel from ( $\sqrt{s}=8$ ) TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
563	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
562	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
561	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	24
560	Measurement of the differential cross-section of $B^+$ meson production in pp collisions at ( $\sqrt{s}=7$ ) TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	24
559	Search for CP violation in the decay $B \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	24
558	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
557	Measurement of the absolute branching fractions for $D_{s^+} \rightarrow \pi^0$ and extraction of the decay constant $f_{D_s}$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	24
556	Search for lepton-number violating processes in $B^+ \rightarrow h^+ \ell^+$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	24
555	Measurement of time dependent CP asymmetry parameters in $B_0$ meson decays to $K_S^0$ , $K^0$ , and $\pi^0 K_S^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	24
554	Measurement of the $B \rightarrow \pi$ branching fraction and a search for a second-class current in the $B \rightarrow \pi(958) \pi$ decay. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	24

553	Measurement of the branching fraction, polarization, and CP asymmetries in $B^0 \rightarrow D^0 D^0$ decay, and implications for the CKM angle $\beta$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	24
552	Amplitude analysis of the $B^{+/-} \rightarrow \phi(892)^{+/-}$ decay. <i>Physical Review Letters</i> , <b>2007</b> , 99, 201802	7.4	24
551	Amplitude analysis of the decay $D^0 \rightarrow K^+ K^-$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	24
550	Measurement of branching fractions and charge asymmetries in $B^{+/-} \rightarrow \rho^{+/-} \pi^0$ and $B^{+/-} \rightarrow \rho^0 \pi^{+/-}$ decays, and search for $B^0 \rightarrow \rho^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 051802	7.4	24
549	Measurement of the $B^0 \rightarrow K^{*0}(1430) \pi^0$ and $B^+ \rightarrow K^{*+}(1430) \pi^0$ branching fractions. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	24
548	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24
547	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
546	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
545	Search for CP violation in neutral D meson Cabibbo-suppressed three-body decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	23
544	Measurements of branching fraction, polarization, and charge asymmetry of $B^{+/-} \rightarrow \rho^{+/-} \rho^0(0)$ and a search for $B^{+/-} \rightarrow \rho^{+/-} f_0(980)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 261801	7.4	23
543	Measurement of the total width, the electronic width, and the mass of the $\Upsilon(10580)$ resonance. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	23
542	Measurements of the branching fractions of charged B decays to $K^+ K^-$ final states. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	23
541	Experiment E835 at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 519, 558-609	1.2	23
540	Measurement of time-dependent CP-violating asymmetries and constraints on $\sin(2\beta)$ with partial reconstruction of $B \rightarrow D^{*0} \pi^0$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	23
539	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at [Formula: see text] TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
538	Search for Higgs boson pair production in the $(\gamma \gamma b \bar{b})$ final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
537	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4.2	23
536	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4.2	22

535	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
534	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
533	Search for W W/W Z resonance production in $\bar{q}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
532	A search for prompt lepton-jets in pp collisions at ( $\sqrt{\text{mathrm{s}}}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
531	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb of ( $\sqrt{s}=13$ ) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
530	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
529	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
528	Search for $b \rightarrow u$ transitions in $B \rightarrow DK$ and $D^* K$ decays. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	22
527	Measurement and interpretation of moments in inclusive semileptonic decays $B \rightarrow Xc$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	22
526	Evidence for the $h_b(1P)$ meson in the decay $(B_S) \rightarrow D h_b(1P)$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	22
525	Measurements of $B \rightarrow \{\pi, \eta, \eta';\} \nu_{\ell}$ branching fractions and determination of $ V_{ub} $ with semileptonically tagged B mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 081801	7.4	22
524	Branching fraction measurements of $B_{u,d} \rightarrow \rho + \gamma$ , $B_0 \rightarrow \rho^0 \gamma$ , and $B_0 \rightarrow \omega \gamma$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 151802	7.4	22
523	Measurement of the time-dependent CP-violating asymmetry in $B_0 \rightarrow K_S^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	22
522	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
521	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
520	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
519	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
518	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21



517	Exclusive production of $D_s + D_s^*$ and $D_s^* + D_s$ via $e^+e^-$ annihilation with initial-state radiation. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	21
516	Search for CP violation using T-odd correlations in $D_0 \rightarrow K + K^*$ decays. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	21
515	Amplitude analysis of $B_0 \rightarrow K + \bar{0}$ and evidence of direct CP violation in $B \rightarrow K^* \bar{0}$ decays. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	21
514	Search for the decay modes $B_{\bar{0}} \rightarrow h^0$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	21
513	Observation and polarization measurements of $B^+ \rightarrow \phi K^+ + \bar{0}$ and $B^+ \rightarrow \phi K^* + \bar{0}$ . <i>Physical Review Letters</i> , <b>2008</b> , 101, 161801	7.4	21
512	Observation of $B_s \rightarrow K; (*0) K^0$ and Search for $B_s \rightarrow K; (*0) K; (*0)$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 081801	7.4	21
511	Production and decay of $\Omega_{cc}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 062001	7.4	21
510	Observation of CP violation in $B \rightarrow \eta' K^0$ decays. <i>Physical Review Letters</i> , <b>2007</b> , 98, 031801	7.4	21
509	A description of the ratio between electric and magnetic proton form factors by using space-like, time-like data and dispersion relations. <i>European Physical Journal C</i> , <b>2006</b> , 46, 421-428	4.2	21
508	Study of hard double-parton scattering in four-jet events in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
507	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
506	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
505	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
504	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
503	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
502	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
501	Searches for heavy diboson resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
500	Measurement of ( $W^{\pm} Z$ ) production cross sections and gauge boson polarisation in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	20

499	Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
498	Search for the rare decay $B \rightarrow K\mu\mu$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	20
497	Improved measurement of $B^+ \rightarrow \rho^+ \rho^0$ and determination of the quark-mixing phase angle $\alpha$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 141802	7.4	20
496	Measurement of the $B \rightarrow D^{(*)} D^{(*)} K$ branching fractions. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	20
495	Study of $B^{\pm} \rightarrow Xu^{\pm}$ decays in $BB^{\pm}$ events tagged by a fully reconstructed B-meson decay and determination of $ V_{ub} $ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	20
494	Searches for the decays $B^0 \rightarrow \mu^{\pm} \mu^{\mp}$ and $B^+ \rightarrow l^+ \mu^{\pm}$ using hadronic tag reconstruction. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	20
493	Evidence for CP violation in $B^0 \rightarrow J/\psi \pi^0$ decays. <i>Physical Review Letters</i> , <b>2008</b> , 101, 021801	7.4	20
492	Measurement of the branching fractions of exclusive $B \rightarrow D^{(*)} (\pi) l^+ \nu_l$ decays in events with a fully reconstructed B meson. <i>Physical Review Letters</i> , <b>2008</b> , 100, 151802	7.4	20
491	Determinations of $ V_{ub} $ from inclusive semileptonic decays with reduced model dependence. <i>Physical Review Letters</i> , <b>2006</b> , 96, 221801	7.4	20
490	Measurement of branching fractions and CP-violating charge asymmetries for B-meson decays to $D^{(*)} D^{(*)}$ , and implications for the Cabibbo-Kobayashi-Maskawa angle $\beta$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	20
489	Measurement of the branching fraction and time-dependent CP asymmetry in the decay $B^0 \rightarrow D^+ D^{*-} s^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
488	Measurements of the $B \rightarrow D^*$ form factors using the decay $B^0 \rightarrow D^* e^+ e^-$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	20
487	Measurement of branching fractions of color-suppressed decays of the $B^0$ meson to $D^{(*)} 0^0$ , $D^{(*)} 0^+ D^{(*)} 0^+$ and $D^0 \pi^0$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	20
486	Search for $D^0 \bar{D}^0$ mixing using semileptonic decay modes. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	20
485	Determination of $ V_{ub} $ from measurements of the electron and neutrino momenta in inclusive semileptonic B decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 111801	7.4	20
484	Measurements of the branching fraction and CP-violation asymmetries in $B^0 \rightarrow f_0(980) K^0 S$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 041802	7.4	20
483	Limit on the $B^0 \rightarrow \rho^0 \rho^0$ branching fraction and implications for the Cabibbo-Kobayashi-Maskawa angle $\alpha$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 131801	7.4	20
482	Search for new resonances in mass distributions of jet pairs using 139 fb $^{-1}$ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20

481	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 Te V with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 565	4.2	20
480	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
479	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
478	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
477	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
476	Test of lepton universality in $(1S)$ decays at BABAR. <i>Physical Review Letters</i> , <b>2010</b> , 104, 191801	7.4	19
475	Search for CP violation in the decay $D_{\mu} \rightarrow KS_0^{\mu}$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	19
474	Initial-state radiation measurement of the $e^+e^- \rightarrow \mu\mu\gamma$ cross section. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
473	Search for the decay $D_0 \rightarrow \mu\pi$ and measurement of the branching fraction for $D_0 \rightarrow \mu\pi$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	19
472	Measurement of time-dependent CP asymmetry in $B_0 \rightarrow KS_0^0\pi\pi$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
471	Study of B-meson decays to $\mu K^*$ , $\mu(2S)K^*$ , and $\mu K^*$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	19
470	Measurement of CP-violating asymmetries in $B_0 \rightarrow D^*(+/-)D(-/+)$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 071801.	7.4	19
469	Search for $b \rightarrow u$ transitions in $B_{\mu} \rightarrow D_0 K_{\mu}$ and $B_{\mu} \rightarrow D^* 0 K_{\mu}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	19
468	Measurement of the branching fraction and the CP-violating asymmetry for the decay $B_0 \rightarrow KS_0^0$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	19
467	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19
466	Measurement of three-jet production cross-sections in [Formula: see text] collisions at $\sqrt{s}$ [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
465	Search for long-lived neutral particles in pp collisions at $(\sqrt{s}) = 13 \text{ TeV}$ that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18
464	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13 \text{ TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18

463	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> , <b>2014</b> , 74, 1	4.2	18
462	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4.2	18
461	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
460	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4.2	18
459	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
458	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5.4	18
457	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4.2	18
456	Measurement of the semileptonic decays $B^{\pm} \rightarrow D^{\pm} \ell^{\pm} \bar{\nu}_{\ell}$ and $B^{\pm} \rightarrow D^{*\pm} \ell^{\pm} \bar{\nu}_{\ell}$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	18
455	Measurement of branching fractions and charge asymmetries in B decays to an eta meson and a $K^*$ meson. <i>Physical Review Letters</i> , <b>2006</b> , 97, 201802	7.4	18
454	Dalitz plot analysis of $D^0 \rightarrow K^0 K^+ K^-$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	18
453	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)} \pi^0$ and $B^0 \rightarrow D^{\pm} \pi^{\mp}$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	18
452	Measurements of CP-violating asymmetries in $B^0 \rightarrow K(0^*)(s) \pi(0)$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 131805	7.4	18
451	Observation of $B^0 \rightarrow \omega K^0$ , $B^{+-} \rightarrow \eta \pi^+$ , and $B^{+-} \rightarrow \eta K^+$ and study of related decays. <i>Physical Review Letters</i> , <b>2004</b> , 92, 061801	7.4	18
450	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
449	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $q\bar{q}$ final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
448	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	17
447	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
446	Observation and study of the baryonic B-meson decays $B \rightarrow D^{(*)} p \bar{\Lambda}(\Lambda)$ . <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	17

445	Observation of $\bar{B}(1S)$ and $\bar{B}(2S)$ decays to $K+K\bar{B}^0$ in two-photon interactions. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	17
444	Measurement of the spin of the omega(-) hyperon. <i>Physical Review Letters</i> , <b>2006</b> , 97, 112001	7.4	17
443	Search for $D^0$ - $\bar{D}^0$ mixing and branching-ratio measurement in the decay $D^0 \rightarrow K^+ \pi^- \pi^0$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 221803	7.4	17
442	Search for the rare decay $B \rightarrow \pi^+ l^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 051801	7.4	17
441	Measurement of $\cos 2\beta$ in $B_{(0)} \rightarrow D_{(*)} h_{(0)}$ decays with a time-dependent Dalitz plot analysis of $D \rightarrow K_{(s)} \pi^+ \pi^-$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 231802	7.4	17
440	Measurements of branching fractions in $B \rightarrow \bar{K}^0$ and $B \rightarrow \bar{K}^0$ and search for direct CP violation in $B \rightarrow \bar{K}^0$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	17
439	Measurement of the time-dependent CP asymmetry in the $B^0 \rightarrow \phi K^0$ decay. <i>Physical Review Letters</i> , <b>2004</b> , 93, 071801	7.4	17
438	Search for a scalar partner of the top quark in the all-hadronic ( $t\bar{t}$ ) plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	17
437	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
436	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
435	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ( $\sqrt{s}=8$ ) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
434	Search for the Standard Model Higgs boson decaying into ( $\bar{b}b$ ) produced in association with top quarks decaying hadronically in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
433	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
432	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
431	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
430	Measurement of the ( $\bar{t}W$ ) and ( $\bar{t}Z$ ) production cross sections in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
429	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	16
428	A measurement of the ratio of the production cross sections for $[W^+W^-]$ and $[W^+Z]$ bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16

427	Measurement of the production cross-section of $ZS \rightarrow J/\psi \rightarrow \mu^+ \mu^-$ in pp collisions at $(\sqrt{s}) = 7$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
426	Search for anomalous production of prompt like-sign lepton pairs at $(\sqrt{s}=7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
425	Search for CP violation and a measurement of the relative branching fraction in $D^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	16
424	Measurement of branching fractions and charge asymmetries in $B^+$ decays to $\eta \pi^+$ , $\eta K^+$ , $\eta \rho^+$ , and $\eta' \pi^+$ , and search for $B^0$ decays to $\eta K^0$ and $\eta \omega$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 131803	7.4	16
423	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
422	Search for the Higgs boson produced in association with a boson and decaying to four $c$ -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16
421	Search for flavour-changing neutral current top-quark decays to $[ \text{Formula: see text} ]$ in $[ \text{Formula: see text} ]$ collision data collected with the ATLAS detector at $[ \text{Formula: see text} ]$ TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
420	Measurement of fiducial and differential $(W^+W^-)$ production cross-sections at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
419	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $(\sqrt{s_{NN}} = 5.02 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
418	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
417	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $(\sqrt{s}) = 13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	15
416	Determination of spin and parity of the Higgs boson in the $[ \text{Formula: see text} ]$ decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 231	4.2	15
415	Measurement of the top quark charge in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
414	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $(\sqrt{s}=7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
413	Measurements of $ZS$ and $X(3872) \rightarrow J/\psi \pi^0$ production in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
412	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
411	Determination of the top-quark pole mass using $(\overline{t}) + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	15
410	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15

409	Measurement of the decay $B(-) \rightarrow D^{(*)}e(-)\nu_{\text{e}}$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 231803	7.4	15
408	Measurements of partial branching fractions for $B \rightarrow X\nu_{\text{e}}$ and determination of $ V_{\text{ub}} $ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 171802	7.4	15
407	Observation of $B \rightarrow a_1(1260)K_0$ and $B_0 \rightarrow a_1(1260)K^+$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051803	7.4	15
406	Observation of tree-level B decays with $s\bar{s}$ production from gluon radiation. <i>Physical Review Letters</i> , <b>2008</b> , 100, 171803	7.4	15
405	Search for lepton flavor violating decays $\tau_{\text{e}} \rightarrow l + \omega$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 071802	7.4	15
404	Inclusive $\bar{B}^+$ production in $e^+e^-$ annihilations at $\sqrt{s}=10.54$ GeV and in $\Upsilon(4S)$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	15
403	Prospects for $e^+e^-$ physics at Frascati between the $\Upsilon$ and the $\Upsilon'$ . <i>European Physical Journal C</i> , <b>2007</b> , 50, 729	4.2	15
402	Observation of B Meson decays to $b_1\pi$ and $b_1K$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 241803	7.4	15
401	Measurement of $B \rightarrow D^{(*)}K^0$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	15
400	Branching fractions and CP asymmetries in $B_0 \rightarrow K^+ K^- K_0^0$ and $B^+ \rightarrow K^+ K_0^0 K_0^0$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 181805	7.4	15
399	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
398	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
397	Measurement of the $\Upsilon(4S)$ and $\Upsilon(5S)$ production cross sections in multilepton final states using 3.2 fb of $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
396	Measurements of electroweak $\Upsilon(4S)$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
395	Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	14
394	Measurement of the $\Upsilon(4S)$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
393	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14
392	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $(\sqrt{s}) = 8$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	14

391	Search for charged Higgs bosons through the violation of lepton universality in ( $\overline{t}$ ) events using pp collision data at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	14
390	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W W^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
389	Search for charged lepton flavor violation in narrow upilon decays. <i>Physical Review Letters</i> , <b>2010</b> , 104, 151802	7.4	14
388	Measurements of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)} + D^{(*)}$ decays. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
387	Model-independent search for the decay $B^+ \rightarrow l^+ \mu^+$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
386	Observation of B meson decays to $\overline{K}^*$ and improved measurements for $\overline{D}$ and $\overline{D}^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
385	Search for $b \rightarrow u$ transitions in $B^0 \rightarrow D^0 K^* 0$ decays. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
384	B meson decays to charmless meson pairs containing $\overline{D}$ or $\overline{D}^0$ mesons. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	14
383	Search for the rare leptonic decays $B^+ \rightarrow l^+ \mu^+$ ( $l=e, \mu$ ). <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	14
382	Study of the baryonic B decay $B^+ \rightarrow \overline{p}^+ + p^+$ . <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	14
381	Amplitude analysis and measurement of the time-dependent CP asymmetry of $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	14
380	Search for decays of $B^0$ mesons into $e^+ e^- \mu^+ \mu^-$ and $e^+ e^- \mu^+ \mu^-$ final states. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	14
379	Branching fraction and CP-violation charge asymmetry measurements for B-meson decays to $\overline{K}^*$ , $\overline{D}$ , $\overline{D}^*$ , $\overline{K}^*$ , and $\overline{D}$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	14
378	Measurement of the $B^0$ lifetime and the $B^0 B^0$ oscillation frequency using partially reconstructed $B^0 \rightarrow D^{*+} \mu^+$ decays. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	14
377	Measurement of the resonance parameters of the (13P1) and (13P2) states of charmonium formed in antiproton-proton annihilations. <i>Nuclear Physics B</i> , <b>2005</b> , 717, 34-47	2.8	14
376	Search for $B^+ \rightarrow \mu^+ \mu^+$ and $B^0 \rightarrow \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	14
375	B meson decays to $\overline{K}^*$ , $\overline{D}^*$ , and $\overline{D}^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	14
374	Search for flavor-changing neutral current and Lepton-flavor violating decays of $D^0 \rightarrow l^+ l^-$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 191801	7.4	14



373	Measurement of the angular distribution in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2005</b> , 610, 177-182	4.2	14
372	Performance of second generation BABAR resistive plate chambers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 552, 276-291	1.2	14
371	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
370	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
369	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
368	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13
367	Search for top-quark decays $t \rightarrow Hq$ with 36 fb of pp collision data at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	13
366	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\bar{\nu}$ with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
365	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
364	Identification of high transverse momentum top quarks in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
363	Addendum to Measurement of the ( $t\bar{t}$ ) production cross-section using ( $e\mu$ ) events with b-tagged jets in pp collisions at ( $\sqrt{s}$ ) = 7 and 8 ( $\text{TeV}$ ) with the ATLAS detector <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
362	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
361	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s}=7;\text{TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
360	Branching fraction measurement of $B^+ \rightarrow \bar{D}^0 D^0$ decays. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	13
359	Measurement of branching fractions of B decays to $K_1(1270)$ and $K_1(1400)$ and determination of the CKM angle $\beta$ from $B^0 \rightarrow a_1(1260) D^0$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	13
358	Searches for the baryon- and lepton-number violating decays $B^0 \rightarrow \bar{D}^+ D^-$ and $B^{\pm} \rightarrow D^{\pm} D^0$ <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	13
357	Observation of the rare decay $B^+ \rightarrow K^+ D^0 D^0$ and measurement of the quasi-two-body contributions $B^+ \rightarrow K^*(892)^+ D^0$ , $B^+ \rightarrow f_0(980) K^+$ , and $B^+ \rightarrow D^0 K^+$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	13
356	Measurement of the spin of the ( $\Upsilon(530)$ ) resonance. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	13

355	Search for $B_0 \rightarrow (K^+ \pi^-)$ decays with large $K^+ \pi^-$ invariant mass. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	13
354	Measurement of branching fractions and resonance contributions for $B_0 \rightarrow D^0 K^+ \pi^-$ and search for $B_0 \rightarrow D^0 K^+ \pi^-$ decays. <i>Physical Review Letters</i> , <b>2006</b> , 96, 011803	7.4	13
353	Study of the $B \rightarrow 3h \pi h \pi$ decay. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	13
352	Measurement of the ratio $B(B \rightarrow D^0 K^+ \pi^-) / B(B \rightarrow D^0 \pi^+ \pi^-)$ and of the CP asymmetry of $B \rightarrow D^0 CP^+ K^+ \pi^-$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	13
351	Measurement of time-dependent CP-violating asymmetries in $B_0 \rightarrow K^0 \gamma (K^0 \rightarrow K(0) \pi^0)$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 93, 201801	7.4	13
350	Search for B-meson decays to two-body final states with $a_0(980)$ mesons. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	13
349	Study of $B^+ \rightarrow J/\psi \pi^+ \pi^-$ and $B^+ \rightarrow J/\psi K^+ \pi^-$ decays: measurement of the ratio of branching fractions and search for direct CP violation. <i>Physical Review Letters</i> , <b>2004</b> , 92, 241802	7.4	13
348	Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B_0 \rightarrow D^{(*)} D^{(*)}$ . <i>Physical Review Letters</i> , <b>2003</b> , 91, 131801	7.4	13
347	Fluctuations of anisotropic flow in Pb+Pb collisions at $(\sqrt{s}_{NN}) = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	13
346	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
345	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	13
344	Measurements of top-quark pair differential and double-differential cross-sections in the $(\ell \ell) + \text{jets}$ channel with pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	13
343	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
342	Measurements of W and Z boson production in pp collisions at $(\sqrt{s}=5.02)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
341	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
340	Higgs boson production cross-section measurements and their EFT interpretation in the $(4\ell)$ decay channel at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	12
339	Search for new phenomena with photon+jet events in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
338	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12

337	Search for strong gravity in multijet final states produced in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
336	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 232	4.2	12
335	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
334	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
333	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at ( $\sqrt{\text{mathrm{s}}}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
332	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4.2	12
331	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
330	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
329	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \mu\mu$ in ( $\sqrt{s}=13$ ) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
328	Measurements of top quark spin observables in ( $\overline{t}t$ ) events using dilepton final states in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
327	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ mbox{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
326	Study of radiative bottomonium transitions using converted photons. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12
325	Search for the decay $B^+ \rightarrow K_S^0 K_S^0 \mu^+$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	12
324	Study of $(B_S, 2S) \rightarrow (1S)$ and $(B_S, 2S) \rightarrow \mu^+ \mu^- (1S)$ hadronic transitions. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12
323	Search for CP violation using T-odd correlations in $D^+ \rightarrow K^+ K_S^0 \mu^+$ and $D_s^+ \rightarrow K^+ K_S^0 \mu^+$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	12
322	Search for the highly suppressed decays $B_c^+ \rightarrow K^+ \mu^+$ and $B_c^+ \rightarrow K^+ \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	12
321	Precision measurements of the total and partial widths of the $(2S)$ charmonium meson with a new complementary-scan technique in $p\bar{p}$ annihilations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2007</b> , 654, 74-79	4.2	12
320	Evidence for charged B meson decays to $a_1^{+/-}(1260)\pi^0$ and $a_1(0)(1260)\pi^{+/-}$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 261801	7.4	12

319	Search for the Decay $B^{+-} \rightarrow K^+ \tau^- / + \mu^- / -$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 201801	7.4	12
318	Measurement of the $B^0 \rightarrow D^* + \pi^0$ decay rate and $ V_{cb} $ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	12
317	Measurement of CP observables for the decays $B^{\pm} \rightarrow DCP^0 K^{\pm}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	12
316	Study of the decay $B^0 \rightarrow D^* + \pi^0$ <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
315	Searches for $B^0$ decays to $\bar{K}^0$ , $\pi^0 \pi^0$ , $\eta$ , and $\eta'$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
314	Branching fraction limits for $B^0$ decays to $\pi^0 \pi^0$ and $\eta$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
313	Search for the decay $B^+ \rightarrow \eta \pi^0$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
312	Search for the decay $B^0 \rightarrow a_1 \pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	12
311	Measurement of CP observables for the decays $B^{\pm} \rightarrow DCP^0 K^{\pm}$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	12
310	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)+} / - \pi^- / +$ decays and constraints on $\sin(2\beta + \gamma)$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 251801	7.4	12
309	Measurements of branching fractions and CP-violating asymmetries in B meson decays to charmless two-body states containing a $K(0)$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 201802	7.4	12
308	Measurement of time-dependent CP asymmetries and constraints on $\sin(2\beta + \gamma)$ with partial reconstruction of $B^0 \rightarrow D^{*-} / + \pi^+ / -$ decays. <i>Physical Review Letters</i> , <b>2004</b> , 92, 251802	7.4	12
307	Measurement of the resonance parameters of the charmonium ground state, $\bar{\chi}(11S_0)$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2003</b> , 566, 45-50	4.2	12
306	Measurement of the branching fraction of $\Gamma(4S) \rightarrow B^0 B^0$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 042001	7.4	12
305	Branching fraction and CP asymmetries of $B^0 \rightarrow K^0(S) K^0(S) K^0(S)$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 011801	7.4	12
304	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
303	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	11
302	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11

301	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
300	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
299	Probing the $Wtb$ vertex structure in t-channel single-top-quark production and decay in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
298	Study of $t\bar{t}$ production in collisions at $\sqrt{s}=13$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4.2	11
297	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
296	Measurement of the semileptonic branching fraction of the $B_s$ meson. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	11
295	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
294	Search for $b \rightarrow u$ transitions in $B_{\mu} \rightarrow [K^* \mu] DK_{\mu}$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	11
293	Branching fraction measurements of the color-suppressed decays $B_{\mu} \rightarrow D^{(*)} \mu \mu$ , $D^{(*)} \mu \mu D^{(*)} \mu \mu$ and $D^{(*)} \mu \mu$ and measurement of the polarization in the decay $B_{\mu} \rightarrow D^{*0} \mu \mu$ <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	11
292	Measurement of the branching fraction and $\mu$ polarization in $B_0 \rightarrow \mu \mu$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	11
291	Search for $B \rightarrow K^* \mu \mu$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
290	Measurement of the branching fractions of the radiative charm decays $D_0 \rightarrow K^* \mu \mu$ and $D_0 \rightarrow \mu \mu$ <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	11
289	Measurements of the branching fractions of $B_0 \rightarrow K^* K + K \mu$ , $B_0 \rightarrow K^* K \mu$ , $B_0 \rightarrow K^* K + \mu$ and $B_0 \rightarrow K^* \mu \mu$ <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
288	Measurement of the $B_{\mu} \rightarrow \mu \mu$ branching fraction and direct CP asymmetry. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	11
287	Branching fraction and charge asymmetry measurements in $B \rightarrow J/\psi$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	11
286	Evidence for $B(0) \rightarrow \rho(0)\rho(0)$ decays and implications for the Cabibbo-Kobayashi-Maskawa angle $\alpha$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 111801	7.4	11
285	Measurement of the branching ratios $\Gamma(D_s^{*+} \rightarrow D_s + \mu)/\Gamma(D_s^{*+} \rightarrow D_s + \tau)$ and $\Gamma(D^{*0} \rightarrow D_0 \mu)/\Gamma(D^{*0} \rightarrow D_0 \tau)$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	11
284	Measurement of the branching fraction for $B_{\mu} \rightarrow \mu \mu K_{\mu}$ . <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	11

283	Searches for B0 decays to combinations of two charmless isoscalar mesons. <i>Physical Review Letters</i> , <b>2004</b> , 93, 181806	7.4	11
282	Interference study of the $\chi_{c0}(13P0)$ in the reaction $pp \rightarrow \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2003</b> , 91, 091801	7.4	11
281	Search for radiative penguin decays $B^+ \rightarrow \rho^+ \gamma$ , $B^0 \rightarrow \rho^0 \gamma$ , and $B^0 \rightarrow \omega \gamma$ . <i>Physical Review Letters</i> , <b>2005</b> , 94, 011801	7.4	11
280	Search for factorization-suppressed $B \rightarrow \chi(c)K^*$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 94, 171801	7.4	11
279	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	11
278	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
277	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s}=8$ TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
276	Measurement of the CP-violating phase $\phi_s$ and the $B^0_s$ meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
275	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
274	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
273	Measurement of the mass and width of the $D_{s1}(2536)^+$ meson. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	10
272	Improved limits on lepton-flavor-violating tau decays to $l\phi$ , $l\rho$ , $lK$ , and $l\bar{K}$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 021801	7.4	10
271	Constraints on the CKM angle $\beta$ in $B^0 \rightarrow D^0 K^0$ and $B^0 \rightarrow \bar{D}^0 K^0$ from a Dalitz analysis of $D^0$ and $\bar{D}^0$ decays to $KS^0$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	10
270	Measurement of the branching fractions of the rare decays $B^0 \rightarrow D_s^{(*)+} \pi^-$ and $B^0 \rightarrow D_s^{(*)} K^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
269	Improved measurement of CP observables in $B^{\pm} \rightarrow DCP^0 K^{\pm}$ decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	10
268	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ near $s=10.58$ GeV. <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
267	Observation of $B^+ \rightarrow b_1^+ K^0$ and search for B-meson decays to $b_1^0 K^0$ and $b_1^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	10
266	Search for neutral B-meson decays to $a_0^0 \pi^0 K^0$ , $\pi^0$ , and $\bar{B}^0$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	10

265	Measurement of CP asymmetry in $B_0 \rightarrow K_S^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	10
264	Evidence for the decay $B_H \rightarrow K^* \pi^0$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	10
263	Measurement of the $D^+ \rightarrow \pi^0$ and $D^+ \rightarrow K^0$ branching fractions. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
262	Branching fraction measurements of charged B decays to $K^* + K + K$ and $K^* + K + \pi$ and $K^* + \pi$ final states. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
261	Measurements of the branching fraction and time-dependent CP asymmetries of $B_0 \rightarrow J/\psi$ decays. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
260	Measurements of CP-violating asymmetries and branching fractions in B decays to $\bar{K}$ and $\pi$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
259	Measurement of branching fractions in radiative B decays to $\bar{K}^0$ and search for B decays to $\bar{K}^0 \pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	10
258	Search for the charmed pentaquark candidate $\bar{c}(3100)^0$ in $e^+e^-$ annihilations at $s=10.58$ GeV. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	10
257	Study of high momentum eta' production in $B \rightarrow \eta' X_s$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 061801	7.4	10
256	Search for $B_0$ decays to invisible final states and to $n\gamma$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 091802	7.4	10
255	Measurement of the branching fractions and CP asymmetry of $B \rightarrow D(0^{CP})K^-$ decays with the BABAR detector. <i>Physical Review Letters</i> , <b>2004</b> , 92, 202002	7.4	10
254	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the $ZZ \rightarrow \mu\mu^+ \nu\bar{\nu}$ and ( $ZZ \rightarrow \mu\mu^+ \nu\bar{\nu}$ ) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
253	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
252	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
251	B-meson decays to $\pi^0 \pi^0$ , and $\pi^0 K^*$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	9
250	Search for second-class currents in $\tau \rightarrow \omega \pi^0 \nu_\tau$ . <i>Physical Review Letters</i> , <b>2009</b> , 103, 041802	7.4	9
249	Measurement of the $B^+ \rightarrow \pi^+ \pi^0$ and $B^+ \rightarrow \pi^+ \pi^+$ branching fractions. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	9
248	Search for Lepton Flavor Violating Decays $B \rightarrow \ell \bar{\ell} s^0$ with the BABAR Experiment. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	9

247	Measurement of the CP-violating asymmetries in $B^0 \rightarrow K_S^0 \pi^0$ and of the branching fraction $B^0 \rightarrow K^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	9
246	Measurements of branching fractions for $B^+ \rightarrow \pi^+ \pi^0$ and $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
245	Observation of $B^+ \rightarrow \pi^+ \pi^0$ and search for $B^0$ decays to $\pi^0 \pi^0$ , $\pi^0 \pi^+$ , and $\pi^0 \pi^-$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	9
244	Measurement of the CP asymmetry in $b \rightarrow s \gamma$ using a sum of exclusive final states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 171804	7.4	9
243	Search for the decay $B^+ \rightarrow K^+ \pi^0(892) K^+$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
242	Measurement of the relative branching fractions of $B^+ \rightarrow D^+ D^* D^{*+}$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	9
241	Branching fraction measurement of $B^0 \rightarrow D^{(*)+} \pi^-$ and $B^+ \rightarrow D^{(*)0} \pi^+$ and isospin analysis of $B^+ \rightarrow D^{(*)+} \pi^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	9
240	Study of inclusive $B^+$ and $B^0$ decays to flavor-tagged D, Ds, and $\bar{D}^+$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	9
239	Observation of decays $B^0 \rightarrow D_s^{(*)+} \pi^-$ and $B^0 \rightarrow D_s^{(*)-} K^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 081801	7.4	9
238	Search for the decay $B^+ \rightarrow 4 \pi^+ \pi^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	9
237	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> , <b>2004</b> , 70,	4.9	9
236	Branching fraction measurements of $B \rightarrow \bar{D} K$ decays. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	9
235	Search for the decay $B^0 \rightarrow J/\psi \pi^0$ . <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	9
234	Measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 151804	7.4	9
233	Production and decay of $\chi(c)(0)$ at BABAR. <i>Physical Review Letters</i> , <b>2005</b> , 95, 142003	7.4	9
232	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
231	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
230	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9



229	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
228	Measurement of $VH, (\mathrm{H})\to\overline{\mathrm{b}}\mathrm{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
227	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
226	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
225	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8
224	Search for scalar resonances decaying into $\mu\mu$ events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
223	Measurement of splitting scales in $\rightarrow$ events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4.2	8
222	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
221	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
220	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4.2	8
219	Study of dipion bottomonium transitions and search for the $hb(1P)$ state. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	8
218	Search for resonances decaying to $\mu\mu$ in two-photon interactions. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	8
217	Measurement of CP violation observables and parameters for the decays $B\rightarrow DK^*$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	8
216	Measurement of the absolute branching fraction of $D_0\rightarrow K\pi$ . <i>Physical Review Letters</i> , <b>2008</b> , 100, 051802	4.9	8
215	Searches for B meson decays to $\pi\pi, \pi\rho, \pi f_0(980)$ , and $f_0(980)f_0(980)$ final states. <i>Physical Review Letters</i> , <b>2008</b> , 101, 201801	7.4	8
214	Search for the reactions $e^+e^-\rightarrow\mu\mu$ and $e^+e^-\rightarrow e^+\mu$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	8
213	Observation of $e^+e^-$ annihilation into the $C = +1$ hadronic final states $\rho(0)\rho(0)$ and $\pi\rho(0)$ . <i>Physical Review Letters</i> , <b>2006</b> , 97, 112002	7.4	8
212	Measurement of the absolute branching fractions $B\rightarrow D^*D^{**}$ with a missing mass method. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8

211	Measurement of the Time-Dependent CP Asymmetry in $B_s^0 \rightarrow D_{CP}^{(*)} h^0$ Decays. <i>Physical Review Letters</i> , <b>2007</b> , 99, 081801	7.4	8
210	Study of $b \rightarrow c$ interference in the decay $B \rightarrow [K^+ \pi^-] DK^*$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	8
209	Search for $B \rightarrow J/\psi D$ decays. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	8
208	Measurement of the ratio $B(B \rightarrow X e \nu) / B(B \rightarrow X e \pi)$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
207	Observation of the exclusive reaction $e^+ e^- \rightarrow \tau^+ \tau^-$ at $\sqrt{s} = 10.58$ GeV. <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	8
206	Measurement of the branching fraction and polarization for the decay $B \rightarrow D^* 0 K^*$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 141801	7.4	8
205	What can we learn about the ratio $ G_E(q^2)/G_M(q^2) $ by using space-like, time-like data and dispersion relations?. <i>Nuclear Physics A</i> , <b>2005</b> , 755, 286-289	1.3	8
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203	Evidence for $(\bar{t} t)$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s} = 13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
202	Search for light long-lived neutral particles produced in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
201	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
200	Measurements of top-quark pair spin correlations in the $(e \mu)$ channel at $(\sqrt{s} = 13)$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
199	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
198	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+ e^- \rightarrow e^+ e^- Z Z)$ and $(e^+ e^- \rightarrow e^+ e^- \nu \bar{\nu})$ final states using 139 $(\text{fb}^{-1})$ of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	8
197	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
196	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $(\sqrt{s} = 8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
195	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 $\text{fb}^{-1}$ of $(\sqrt{s} = 13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
194	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8

193	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	8
192	Measurements of inclusive and differential fiducial cross-sections of $(\bar{t}t)\gamma$ production in leptonic final states at ( $\sqrt{s}=13$ TeV) in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	7
191	Transverse momentum and process dependent azimuthal anisotropies in ( $\sqrt{s_{\text{NN}}}=8.16$ ) TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	7
190	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4-2	7
189	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4-2	7
188	Measurement of differential cross sections and $W^+/W^-$ cross-section ratios for W boson production in association with jets at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
187	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	7
186	Measurement of the $(\overline{t}t)\gamma$ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
185	Measurements of top-quark pair to Z-boson cross-section ratios at ( $\sqrt{s}=13$ ), 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
184	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
183	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( $\sqrt{s}=13$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
182	Studies of $Z\bar{t}t$ production in association with a high-mass dijet system in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
181	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5-4	7
180	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B^+ \rightarrow \bar{0}K^{*+}$ and $B^+ \rightarrow f_0(980)K^{*+}$ decays. <i>Physical Review D</i> , <b>2011</b> , 83,	4-9	7
179	Observation of the decay $B^- \rightarrow D(s)((^*)^+) K^- \bar{0}$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 041804	7-4	7
178	Time-dependent Dalitz plot analysis of $B^0 \rightarrow D^* K^0 \bar{0}$ decays. <i>Physical Review D</i> , <b>2008</b> , 77,	4-9	7
177	Measurement of ratios of branching fractions and CP-violating asymmetries of $B^0 \rightarrow D^* K^0 \bar{0}$ decays. <i>Physical Review D</i> , <b>2008</b> , 78,	4-9	7
176	Observation of $B^+ \rightarrow \bar{0}K^0$ and measurement of its branching fraction and charge asymmetry. <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	7

175	Improved measurement of time-dependent CP asymmetries and the CP-odd fraction in the decay $B^0 \rightarrow D^{*+} D^{*-}$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	7
174	Measurement of B decays to $\eta' K$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
173	Measurements of $B^+$ branching fractions of Cabibbo-suppressed decay modes involving $\eta$ and $\eta'$ . <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	7
172	Measurement of branching fractions and mass spectra of $B \rightarrow K \pi \pi$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 211804	7.4	7
171	Observation of $B \rightarrow \eta' K^*$ and evidence for $B \rightarrow \eta' \rho^+$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051802	7.4	7
170	Search for the W-exchange decays $B^0 \rightarrow D_s^{(*)} D_s^{(*)+}$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	7
169	Precise branching ratio measurements of the decays $D^0 \rightarrow \eta \pi^0$ 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> , <b>2006</b> , 74,	4.9	7
168	Search for rare quark-annihilation decays, $B \rightarrow D_s^{(*)} \eta$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	7
167	Search for the decay of a $B^0$ or $B^0$ meson to $K_S^0 K^0$ or $K^* K^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	7
166	Measurement of the two photon decay of the $\psi(13P0)$ state of $\chi$ charmonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 584, 16-21	4.2	7
165	Measurement of time-dependent CP asymmetries in $B^0 \rightarrow D^{(*)+} D^{*-}$ decays. <i>Physical Review Letters</i> , <b>2005</b> , 95, 131802	7.4	7
164	Measurement of the transverse momentum distribution of dilepton pairs in proton-proton collisions at $(\sqrt{s}=13,)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
163	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $(\sqrt{s} = 13, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
162	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(\ell\ell b\bar{b})$ and $(\ell\ell W W)$ final states in pp collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
161	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4.2	7
160	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4.2	7
159	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text]TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7
158	Measurement of $(W^{\pm} \mu^{\pm})$ boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02 \sim \text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7

157	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
156	Measurements of WH and ZH production in the (H $\rightarrow$ $b\bar{b}$ ) decay channel in pp collisions at (13, $\sqrt{s}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
155	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4.2	6
154	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at ( $\sqrt{s}$ ) = 8 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
153	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at ( $\sqrt{s}$ =8) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
152	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> , <b>2017</b> , 2017, 1	5.4	6
151	B0 meson decays to $D^*K^0$ , $F^*K^0$ , and $K^{*+}$ , including higher $K^*$ resonances. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	6
150	Search for $f(J)(2220)$ in radiative $J/\psi$ decays. <i>Physical Review Letters</i> , <b>2010</b> , 105, 172001	7.4	6
149	Observation of the rare decay $B^0 \rightarrow K_S^0 \pi^0$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	6
148	Observation of the decay $B^0 \rightarrow \pi^+ \pi^-$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	6
147	Search for B-meson decays to $b_1$ and $b_1 K^*$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	6
146	Observation of $B^0 \rightarrow \pi^0 K^0$ and evidence for $B^+ \rightarrow \pi^0 K^{*+}$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	6
145	Study of B meson decays with excited eta and eta' mesons. <i>Physical Review Letters</i> , <b>2008</b> , 101, 091801	7.4	6
144	Measurement of the CP asymmetry and branching fraction of $B^0 \rightarrow \rho^0 K^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98, 051803	7.4	6
143	Search for the radiative decay $B^0 \rightarrow \gamma \pi^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	6
142	Measurement of the $B \rightarrow D^* K^*$ branching fraction. <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	6
141	Search for ( $t\bar{t}$ ) resonances in fully hadronic final states in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
140	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6

139	Search for new phenomena in final states with b-jets and missing transverse momentum in ( $\sqrt{s} = 13$ TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
138	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
137	Measurement of the ( $Z \rightarrow \nu \bar{\nu}$ ) production cross section in pp collisions at ( $\sqrt{s} = 13$ ) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
136	Search for exclusive Higgs and Z boson decays to $\tau^+ \tau^-$ and $\mu^+ \mu^-$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
135	Measurement of jet activity produced in top-quark events with an electron, a muon and two $\tau$ -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
134	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at ( $\sqrt{s} = 13$ and 8 TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
133	Choice and characterization of photomultipliers for the new ATLAS LUCID detector. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05014-P05014	1	5
132	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5
131	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
130	Measurement of four-jet differential cross sections in ( $\sqrt{s} = 8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5.4	5
129	Branching fractions and CP-violating asymmetries in radiative B decays to $\mu^+ \mu^-$ <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	5
128	Evidence for $B^+ \rightarrow K^+ \mu^+ \mu^-$ . <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	5
127	Measurements of branching fractions and CP asymmetries and studies of angular distributions for $B^+ \rightarrow K^+ \mu^+ \mu^-$ decays. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	5
126	Search for the rare charmless hadronic decay $B^+ \rightarrow a_0^+ \bar{D}$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	5
125	Measurement of CP asymmetries in $B^0 \rightarrow K_S^0 K_S^0 K_S^0$ decays. <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	5
124	Search for the rare decays $B^+ \rightarrow D^{(*)} K_S^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	5
123	Measurements of B meson decays to $K^* \pi$ and $\rho \pi$ <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	5
122	Search for the rare decays $B^0 \rightarrow D_s^{(*)} a_0(2) \pi$ <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	5

121	Search for the rare leptonic decay $B^{+-} \rightarrow \mu^{+} \nu(\mu)$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 221803	7.4	5
120	Search for $B^{+/-} \rightarrow [K^{+/-} \pi^{+/-}] (D) K^{+/-}$ and upper limit on the $b \rightarrow u$ amplitude in $B^{+/-} \rightarrow DK^{+/-}$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 131804	7.4	5
119	E835 at FNAL: Charmonium Spectroscopy in $p \bar{p}$ Annihilations. <i>AIP Conference Proceedings</i> , <b>2004</b> ,	0	5
118	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
117	Search for the $HH \rightarrow (\overline{b}b)$ process via vector-boson fusion production using proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
116	Observation of the associated production of a top quark and a Z boson in $pp$ collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	5
115	Measurement of light-by-light scattering and search for axion-like particles with 2.2 $nb$ of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5
114	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
113	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 375	4.2	5
112	Measurement of the relative width difference of the $(\{B\}^0 \text{hbox{-}} \{\overline{B}\}^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
111	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
110	Search for dark matter in association with an energetic photon in $pp$ collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5
109	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4.2	5
108	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4.2	5
107	Measurement of jet activity in top quark events using the eFinal state with two b-tagged jets in $pp$ collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	4
106	Search for $B^+$ meson decay to $a_1(1260)K^*(892)$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	4
105	Observation of inclusive $D^* \Xi$ production in the decay of $\Xi(15)$ . <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	4
104	Observation and polarization measurement of $B^0 \rightarrow a_1(1260) + a_1(1260) \Xi$ decay. <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	4

103	Observation of the baryonic B-decay $B^0 \rightarrow \bar{p} + p + K^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	4
102	Search for the decay $B^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	4
101	Measurement of the mass difference $m(B^0) - m(B^+)$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	4
100	Search for $B^0 \rightarrow K^{*+} K^* \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 78,	4.9	4
99	Search for the decays $B^0 \rightarrow e^+ e^- \pi^0$ and $B^0 \rightarrow \mu^+ \mu^- \pi^0$ . <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	4
98	Observation of $B^+ \rightarrow \pi^+ \pi^0 \pi^0 K^+$ and evidence for $B^0 \rightarrow \pi^0 \pi^0 \pi^0 K^0$ below $\eta(c)$ threshold. <i>Physical Review Letters</i> , <b>2006</b> , 97, 261803	7.4	4
97	Search for $b \rightarrow u$ transitions in $B \rightarrow [K^+ \pi^0] D K^0$ . <i>Physical Review D</i> , <b>2007</b> , 76,	4.9	4
96	Evidence for the Rare Decay $B^+ \rightarrow D_s^+ \pi^0$ . <i>Physical Review Letters</i> , <b>2007</b> , 98,	7.4	4
95	Search for the decay $B^+ \rightarrow 3 \pi^+ \pi^0$ . <i>Physical Review D</i> , <b>2006</b> , 73,	4.9	4
94	Bound on the ratio of decay amplitudes for $B^0 \rightarrow J/\psi K^* 0$ and $B^0 \rightarrow J/\psi K^0$ . <i>Physical Review Letters</i> , <b>2004</b> , 93, 081801	7.4	4
93	E835 at FNAL: Charmonium Spectroscopy in Annihilations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2005</b> , 142, 98-103		4
92	Search for heavy diboson resonances in semileptonic final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
91	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
90	Measurement of $J/\psi$ production in association with a $W$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4
89	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	4
88	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
87	Search for dark matter produced in association with a single top quark in $(\sqrt{s}=13)$ TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	4
86	Search for dijet resonances in events with an isolated charged lepton using $(\sqrt{s}) = 13$ TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3



85	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at ( $\sqrt{s}=8$ ) and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
84	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
83	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
82	Measurement of the $k_t$ splitting scales in $Z \rightarrow \tau\tau$ events in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
81	Measurement of partial branching fractions of inclusive charmless B meson decays to $K^+$ , $K^0$ , and $\bar{K}^0$ . <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	3
80	Search for $B^0$ meson decays to $D^0 K^0$ , $\bar{K}^0 K^0$ , and $D^0 \bar{K}^0$ . <i>Physical Review D</i> , <b>2009</b> , 80,	4.9	3
79	Study of $p\bar{p} \rightarrow$ two neutral pseudoscalar mesons at the $\bar{p}p(13P_0)$ formation energy. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3
78	Measurement of the branching fraction and decay rate asymmetry of $B^0 \rightarrow D^0 K^0$ . <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	3
77	Search for the decay $B^0 \rightarrow K^0 K^0 L^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	3
76	Search for B meson decays to $\bar{K}^0 K^0$ . <i>Physical Review D</i> , <b>2006</b> , 74,	4.9	3
75	Performance and Aging Studies of BaBar Resistive Plate Chambers. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 158, 139-142		3
74	Measurement of the branching ratios $B^0 \rightarrow e^+ e^- J/\psi$ and $B^0 \rightarrow J/\psi$ . <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	3
73	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector <b>2015</b> , 75, 1		3
72	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider <b>2015</b> , 75, 1		3
71	Measurement of $\Lambda_b^0$ and $\Lambda_c^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	3
70	Determination of jet calibration and energy resolution in proton-proton collisions at ( $\sqrt{s} = 8$ TeV) using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
69	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector <b>2015</b> , 2015, 1		3
68	Reconstruction and identification of boosted di- $\tau$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3

67	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	3
66	Measurement of hadronic event shapes in high-pT multijet final states at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	3
65	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	2
64	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	2
63	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	2
62	Correlated leading baryon-antibaryon production in $e^+e^- \rightarrow c\bar{c} \rightarrow \bar{b} + \bar{c} \bar{b}$ . <i>Physical Review D</i> , <b>2010</b> , 82,	4-9	2
61	Search for $B^+ \rightarrow D^+ K^0$ and $B^+ \rightarrow D^+ K^{*0}$ decays. <i>Physical Review D</i> , <b>2010</b> , 82,	4-9	2
60	Observation of the baryonic B decay $B^0 \rightarrow \bar{b} + \bar{c} K^0$ . <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	2
59	Measurement of $B \rightarrow X \gamma$ decays and determination of $ V_{td}/V_{ts} $ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 161803	7-4	2
58	Publisher's Note: Study of radiative bottomonium transitions using converted photons [Phys. Rev. DPRVDAQ1550-7998 84, 072002 (2011)]. <i>Physical Review D</i> , <b>2011</b> , 84,	4-9	2
57	Publisher's Note: Erratum: Measurement of Branching Fractions and Mass Spectra of $B \rightarrow K^0$ [Phys. Rev. Lett. 98, 211804 (2007)] [Phys. Rev. Lett. 100, 189903 (2008)]. <i>Physical Review Letters</i> , <b>2008</b> , 100,	7-4	2
56	Search for prompt production of $\bar{b}$ and $X(3872)$ in $e^+e^-$ annihilations. <i>Physical Review D</i> , <b>2007</b> , 76,	4-9	2
55	A description of the ratio between electric and magnetic proton form factors by using space-like, time-like data and dispersion relations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2006</b> , 162, 46-52		2
54	Measurements of neutral B decay branching fractions to $KS^0$ final states. <i>Physical Review D</i> , <b>2004</b> , 70,	4-9	2
53	Measurement of $\sin^2 2\beta$ with hadronic and previously unused muonic $J/\psi$ decays. <i>Physical Review D</i> , <b>2004</b> , 69,	4-9	2
52	E835 at FNAL: Charmonium spectroscopy in annihilations. <i>Nuclear Physics A</i> , <b>2001</b> , 692, 308-314	1-3	2
51	The new scintillating fiber detector of E835 at Fermilab. <i>IEEE Transactions on Nuclear Science</i> , <b>2001</b> , 48, 1122-1126	1-7	2
50	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $(\sqrt{s} = 13 \text{ TeV})$ proton-proton collision data. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	2

49	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
48	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13$ TeV using 36 fb <sup>-1</sup> of ATLAS data. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
47	Measurements of inclusive and differential cross-sections of combined $(\overline{t}\gamma)$ and $tW$ production in the e channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
46	Measurement of isolated-photon plus two-jet production in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
45	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
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43	Measurement of ZZ production in the final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
42	Measurement of $(W^{\pm})$ -boson and Z-boson production cross-sections in pp collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
41	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $(\sqrt{s}) = 13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
40	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> , <b>2016</b> , 18, 073021	2.9	1
39	Review of physics results using jet substructure techniques in LHC Run1. <i>EPJ Web of Conferences</i> , <b>2015</b> , 90, 09001	0.3	1
38	Search for $B \rightarrow \bar{d} + X$ decays in events with a fully reconstructed B meson. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	1
37	Search for the rare decay $B \rightarrow D^* 0$ <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	1
36	Measurement of the average multiplicity in B meson decay. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	1
35	Recent results from FNAL E835 on the study of charmonium states in annihilations. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2004</b> , 126, 250-254		1
34	The new scintillating fiber detector of E835 at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2001</b> , 461, 219-221 <sup>1,2</sup>		1
33	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s}=8, \text{TeV})$ with the ATLAS detector <b>2016</b> , 76, 1		1
32	Search for top squarks in events with a Higgs or Z boson using 139 fb <sup>-1</sup> of pp collision data at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1

31	Heavy quarkonium: progress, puzzles, and opportunities. <i>Advances in the Physics of Particles and Nuclei</i> , <b>2011</b> , 1-178		1
30	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s}$ ) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
29	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
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26	A search for the decays of stopped long-lived particles at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
25	Measurement of single top-quark production in association with a W boson in the single-lepton channel at ( $\sqrt{s}$ ) = 8, text {TeV} with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
24	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
23	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
22	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
21	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
20	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	1
19	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
18	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
17	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
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12	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	○
11	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 <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	○
10	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	○
9	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	○
8	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
7	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	○
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4	Recent results in charm and charmonium physics. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2010</b> , 209, 80-85		
3	Charm and charmonium spectroscopy in BaBar. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2007</b> , 174, 130-133		
2	Top quark properties and mass measurements with the ATLAS detector. <i>Nuclear and Particle Physics Proceedings</i> , <b>2018</b> , 294-296, 54-58	0.4	
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