

Carmen Garcia

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.

787 papers	24,099 citations	65 h-index	111 g-index
806 ext. papers	27,380 ext. citations	4.4 avg, IF	2.27 L-index

#	Paper	IF	Citations
787	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
786	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
785	Observation and properties of the $X(3872)$ decaying to $J/\psi\pi^+\pi^-$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 162002	7.4	408
784	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
783	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
782	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
781	Performance of the DELPHI detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 378, 57-100	1.2	248
780	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
779	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
778	Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
777	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
776	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199
775	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
774	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188
773	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4.2	185
772	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , 2008 , 100, 142002	7.4	183
771	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177

770	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
769	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4.2	166
768	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
767	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
766	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
765	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
764	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
763	Measurement of the inclusive jet cross section in pp[over] collisions at square root [s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 062001	7.4	148
762	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{NN}}$) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
761	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
760	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126
759	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
758	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \ell^\pm \bar{\nu}_\ell$ (\overline{t}) events using pp collision data at ($\sqrt{s} = 7$; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
757	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
756	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> , 2014 , 2014, 1	5.4	108
755	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
754	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
753	Search for doubly charged Higgs bosons in like-sign dilepton final states at ($\sqrt{s} = 7$ mathrm{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104

752	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
751	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	101
750	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb ⁻¹ of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 660, 449-457	4.2	95
749	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 349	4.2	94
748	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	92
747	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	91
746	Measurement of the shape of the boson-transverse momentum distribution in $pp \rightarrow Z/\gamma^* \rightarrow e^+e^- + X$ events produced at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 102002	7.4	83
745	Design and performance of the ABCD3TA ASIC for readout of silicon strip detectors in the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 552, 292-328	1.2	83
744	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
743	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.2	82
742	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
741	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
740	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78
739	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
738	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76
737	The physics programme of the MoEDAL experiment at the LHC. <i>International Journal of Modern Physics A</i> , 2014 , 29, 1430050	1.2	75
736	Observation of orbitally excited B mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 345, 598-608	4.2	75
735	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74

734	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209	4.2	73
733	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
732	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
731	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbo{x}{\sim TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
730	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
729	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68
728	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	67
727	Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$; {text{TeV}}) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
726	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 412	4.2	66
725	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-39	5.4	66
724	Bose-Einstein correlations in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 286, 201-210	4.2	66
723	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4.2	66
722	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	65
721	Search for the (\overline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	64
720	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	64
719	Measurement of the isolated photon cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 151-158	4.2	64
718	Measurement of dijet azimuthal decorrelations at central rapidities in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 221801	7.4	64
717	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 291	4.2	63

716	The barrel modules of the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 568, 642-671	1.2	63
715	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
714	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , 1991 , 367, 511-574	2.8	62
713	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4.2	61
712	Search for the Standard Model Higgs boson at LEP in the year 2000. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 499, 23-37	4.2	61
711	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
710	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $(\sqrt{s}) = 7$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
709	Measurement of the γ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
708	Development of n-on-p silicon sensors for very high radiation environments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S24-S30	1.2	59
707	Search for doubly charged Higgs bosons at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 552, 127-137	4.2	59
706	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59
705	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb ⁻¹ of data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 34-43	4.2	58
704	Measurement of the $W \rightarrow \ell \bar{\nu}$ and $Z/\gamma \rightarrow \ell \bar{\ell}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
703	Measurement of the shape of the boson rapidity distribution for $pp \rightarrow Z/\gamma \rightarrow e^+e^-X$ events produced at \sqrt{s} of 1.96 TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	58
702	A search for $(\overline{t}t)$ resonances using lepton-plus-jets events in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	57
701	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> , 2015 , 2015, 1	5.4	56
700	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 335	4.2	56
699	Precision measurement and interpretation of inclusive γ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56

698	The ATLAS semiconductor tracker end-cap module. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 575, 353-389 ^{1,2}	56
697	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 199	4.2 55
696	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4 55
695	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> , 2013 , 73, 1	4.2 55
694	Summary of the searches for squarks and gluinos using ($\sqrt{s}=8$) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4 55
693	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2 54
692	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4 54
691	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4 54
690	Measurement of $W \mp Z$ production in proton-proton collisions at ($\sqrt{s}=7\sim 8$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2 54
689	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] = 13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 392	4.2 53
688	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 210	4.2 53
687	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4 53
686	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7\sim 8$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2 53
685	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2 53
684	Search for direct top-squark pair production in final states with two leptons in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4 52
683	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2 52
682	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2 52
681	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2 52

680	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	52
679	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4-2	51
678	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	51
677	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	50
676	Evidence for the ($H \rightarrow b\bar{b}$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	50
675	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208	4-2	50
674	Search for charginos, neutralinos and gravitinos at LEP. <i>European Physical Journal C</i> , 1998 , 1, 1-20	4-2	50
673	Radiation-hard semiconductor detectors for SuperLHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 541, 189-201 ^{1,2}		50
672	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> , 2020 , 80, 1	4-2	50
671	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 303	4-2	49
670	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	49
669	Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	49
668	The silicon microstrip sensors of the ATLAS semiconductor tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 578, 98-118	1-2	49
667	Charged particle multiplicity distributions in restricted rapidity intervals in Z 0 hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 52, 271-281		49
666	Search for resonances in diphoton events at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	49
665	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> , 2018 , 78, 995	4-2	49
664	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4-2	48
663	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 259	4-2	48

662	Measurement of multi-particle azimuthal correlations in pp, p \bar{p} -Pb and low-multiplicity PbPb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 428	4.2	48
661	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb $^{-1}$ of ($\sqrt{s} = 7$;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48
660	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> , 2018 , 2018, 1	5.4	48
659	Measurement of the prompt W^+W^- pair production cross-section in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4.2	47
658	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4.2	47
657	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	47
656	Measurement and interpretation of fermion-pair production at LEP energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 485, 45-61	4.2	47
655	Energy dependence of event shapes and of B_s at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 456, 322-340	4.2	47
654	Search for a new resonance decaying to a W or boson and a Higgs boson in the W^+W^-H final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263	4.2	46
653	Light-quark and gluon jet discrimination in W^+W^- collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4.2	46
652	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> , 2015 , 2015, 1	5.4	46
651	Search for long-lived charged massive particles with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 161802	7.4	46
650	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ($\sqrt{s}=8$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	45
649	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	45
648	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4.2	45
647	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ($\sqrt{s}=7$;TeV) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
646	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in W^+W^- collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 318	4.2	44
645	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44

644	Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7\text{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	44
643	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7\text{TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4-2	44
642	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4-2	44
641	mb at MZ. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 430-442	4-1	44
640	Search for W' boson resonances decaying to a top quark and a bottom quark. <i>Physical Review Letters</i> , 2008 , 100, 211803	7-4	44
639	Measurement of inclusive differential cross sections for pp collisions at ($\sqrt{s} = 1.96\text{TeV}$). <i>Physical Review Letters</i> , 2005 , 94, 232001	7-4	44
638	Angular analysis of $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ decays in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	44
637	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	43
636	Measurement of the cross section for top-quark pair production in pp collisions at ($\sqrt{s} = 7\text{TeV}$) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	43
635	Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96\text{TeV}$. <i>Physical Review Letters</i> , 2008 , 101, 011601	7-4	43
634	ATLAS b-jet identification performance and efficiency measurement with ($t\bar{t}$) events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	43
633	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4-2	42
632	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 8TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4-2	42
631	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4-2	42
630	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> , 2015 , 2015, 1	5-4	42
629	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96\text{TeV}$ using secondary vertex b tagging. <i>Physical Review D</i> , 2006 , 74,	4-9	42
628	Search for heavy resonances in the and final states using proton-proton collisions at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4-2	41
627	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4-2	41

626	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	4 ¹
625	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7\sim 13$ TeV) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	4 ¹
624	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	4 ¹
623	Production characteristics of K^0 and light meson resonances in hadronic decays of the Z^0 . <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 587-602		4 ¹
622	Production of strange particles in the hadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 275, 231-242	4.2	4 ¹
621	Production of Λ and $\bar{\Lambda}$ correlations in the hadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 318, 249-262	4.2	4 ¹
620	Measurement and interpretation of the W-pair cross-section in e^+e^- interactions at 161 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 397, 158-170	4.2	4 ⁰
619	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. <i>Astroparticle Physics</i> , 2007 , 28, 273-286	2.4	4 ⁰
618	Determination of β_S from the scaling violation in the fragmentation functions in e^+e^- annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 311, 408-424	4.2	4 ⁰
617	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 199	4.2	39
616	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	39
615	A search for ($\overline{t}t$) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	39
614	Combined performance tests before installation of the ATLAS Semiconductor and Transition Radiation Tracking Detectors. <i>Journal of Instrumentation</i> , 2008 , 3, P08003-P08003	1	39
613	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> , 2018 , 2018, 1	5.4	39
612	Search for Magnetic Monopoles with the MoEDAL Forward Trapping Detector in $13\sqrt{s}$ TeV Proton-Proton Collisions at the LHC. <i>Physical Review Letters</i> , 2017 , 118, 061801	7.4	38
611	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s}=8$ TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 241	4.2	38
610	Observation and measurements of the production of prompt and non-prompt η mesons in association with a W boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229	4.2	38
609	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38

608	Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 669, 278-286	4.2	38
607	Inclusive measurements of the production in hadronic Z0 decays. <i>Nuclear Physics B</i> , 1995 , 444, 3-26	2.8	38
606	A search for neutral Higgs particles in Z0 decays. <i>Nuclear Physics B</i> , 1992 , 373, 3-34	2.8	38
605	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ($\sqrt{s} = 13$) (text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	37
604	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> , 2014 , 2014, 1	5.4	37
603	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	37
602	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in ($\sqrt{s} = 7, \text{TeV}$) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
601	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
600	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7\sim 13$ TeV) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
599	Search for tt resonances in the lepton plus jets final state in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 98-104	4.2	37
598	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , 1994 , 418, 403-427	2.8	37
597	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 502	4.2	37
596	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	36
595	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	36
594	Study of inclusive J/ψ production in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 565, 76-86	4.2	36
593	The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of CA/CF. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 449, 383-400	4.2	36
592	Production of charged particles, K_S^0 , K^\pm , p and \bar{n} in events and in the decay of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 347, 447-466	4.2	36
591	Evidence for B_S^0 meson production in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 289, 199-210	4.2	36

590	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
589	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 171	4.2	35
588	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35
587	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
586	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7\text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
585	Search for one large extra dimension with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2009 , 60, 17-23	4.2	35
584	Search for stopped gluinos from pp collisions at square root $s = 1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2007 , 99, 131801	7.4	35
583	Search for single top production via FCNC at LEP at $\sqrt{s}=189\text{ GeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 590, 21-34	4.2	35
582	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ($\sqrt{s}=7\text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	34
581	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s} = 7\text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
580	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ($\sqrt{s} = 7\text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
579	Determination of α_s in second order QCD from hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 54, 55-73		34
578	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 383-395	4.2	34
577	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4.2	34
576	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
575	First evidence for a charm radial excitation, D. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 426, 231-242	4.2	33
574	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at ($\sqrt{s}=8\text{ TeV}$) using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	33
573	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb ⁻¹ of ($\sqrt{s}=13\text{ TeV}$) pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33

572	Search for charged Higgs bosons decaying via $H^\pm \rightarrow b\bar{b}$ in the $b\bar{b}$ jets and $b\bar{b}$ 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> , 2018 , 2018, 1	5-4	33
571	Measurement of the top quark mass in the [Formula: see text] and [Formula: see text] channels using [Formula: see text][Formula: see text] ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4-2	32
570	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> , 2018 , 78, 18	4-2	32
569	Study of W-boson polarisations and triple gauge boson couplings in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP 2. <i>European Physical Journal C</i> , 2008 , 54, 345-364	4-2	32
568	Measurement of V_{cb} from the decay process $B^0 \rightarrow D^{*+} \ell^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 510, 55-74	4-2	32
567	Search for magnetic monopoles with the MoEDAL prototype trapping detector in 8 TeV proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	32
566	Search for pair production of Higgs bosons in the ($b\bar{b}$) final state using proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	31
565	Constraints on mediator-based dark matter and scalar dark energy models using ($\sqrt{s}=13$) TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	31
564	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	31
563	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> , 2015 , 2015, 1	5-4	31
562	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> , 2015 , 75, 23	4-2	31
561	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> , 2014 , 74, 3134	4-2	31
560	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at ($\sqrt{s}=8$) TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	31
559	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	31
558	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s}=7$) TeV proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	31
557	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	31
556	Search for Higgs bosons decaying to tau pairs in pp over collisions with the D0 detector. <i>Physical Review Letters</i> , 2008 , 101, 071804	7-4	31
555	Measurement of the triple-gluon vertex from 4-jet events at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 357-368		31

554	Measurements of b-jet tagging efficiency with the ATLAS detector using ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	31
553	Search for third generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
552	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	30
551	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ($\sqrt{s}=8$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
550	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
549	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ($\sqrt{s}=900$) GeV and ($\sqrt{s}=7$) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	30
548	First study of the radiation-amplitude zero in $W\gamma$ production and limits on anomalous $WW\gamma$ couplings at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 241805	7.4	30
547	Two-dimensional analysis of the Bose-Einstein correlations in e^+e^- annihilation at the Z0 peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 471, 460-470	4.2	30
546	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
545	Development of n+-in-p large-area silicon microstrip sensors for very high radiation environments □ ATLAS12 design and initial results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 765, 80-90	1.2	29
544	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
543	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
542	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> , 2014 , 2014, 1	5.4	29
541	Recent advancements in the development of radiation hard semiconductor detectors for S-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 552, 7-19	1.2	29
540	Energy dependence of inclusive spectra in e^+e^- annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 459, 397-411	4.2	29
539	The reaction $e^+e^- \rightarrow \gamma \gamma$ at Z0 energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 268, 296-304	4.2	29
538	Limits on the production of scalar leptoquarks from Z0 decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 316, 620-630	4.2	29
537	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> , 2015 , 75, 466	4.2	28

536	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
535	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
534	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
533	Search for charged higgs bosons decaying into top and bottom quarks in pp collisions. <i>Physical Review Letters</i> , 2009 , 102, 191802	7.4	28
532	Measurement of the spin density matrix for the ρ^0 , $K^*(892)$ and F produced in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 406, 271-286	4.2	28
531	Measurement of trilinear gauge couplings in e^+e^- collisions at 161 GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 423, 194-206	4.2	28
530	Measurement of the mass and width of the W boson in e^+e^- collisions at $(\sqrt{s}) = 161 \pm 0.9$ GeV. <i>European Physical Journal C</i> , 2008 , 55, 1	4.2	28
529	Search for Leptoquarks and FCNC in e^+e^- annihilations at $s=183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 446, 62-74	4.2	28
528	Observation of short range three-particle correlations in e^+e^- annihilations at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 355, 415-424	4.2	28
527	J/ψ production in the hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 341, 109-122	4.2	28
526	A study of the decays of tau leptons produced on the Z resonance at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 55, 555-567		28
525	Determination of α_s using the next-to-leading-log approximation of QCD. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 21-33		28
524	A measurement of B meson production and lifetime using Drell-Yan events in Z ⁰ decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 57, 181-195		28
523	Search for minimal supersymmetric standard model Higgs Bosons H^\pm 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> , 2016 , 76, 585	4.2	28
522	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> , 2018 , 2018, 1	5.4	28
521	Fiducial, total and differential cross-section measurements of γ -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
520	Measurement of the inclusive jet cross-section in proton-proton collisions at $(\sqrt{s}=7)$ TeV using 4.5 fb ⁻¹ of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27
519	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27

518	Search for ZZ and Zgamma* production in pp collisions at square root $s=1.96$ TeV and limits on anomalous ZZZ and Zgamma* couplings. <i>Physical Review Letters</i> , 2008 , 100, 131801	7.4	27
517	A study of radiative muon-pair events at Z0 energies and limits on an additional Z' gauge boson. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 603-618		27
516	Invariant mass dependence of particle correlations in hadronic final states from the decay of the Z0. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 17-28		27
515	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
514	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> , 2019 , 79, 1	4.2	26
513	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 ⁻¹ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	26
512	Measurement of $t\bar{t}$ and $t\bar{t}$ production with (\sqrt{s}) = 7 TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
511	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 361	4.2	26
510	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> , 2015 , 2015, 1	5.4	26
509	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> , 2014 , 2014, 1	5.4	26
508	Search for the Bc meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 398, 207-222	4.2	26
507	A study of the hadronic resonance structure in the decay $B \rightarrow 3\pi$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 426, 411-427	4.2	26
506	Measurement of trilinear gauge boson couplings WWV, (VZZ) in e+e- collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 502, 9-23	4.2	26
505	Strange baryon production in Z hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 543-553		26
504	Search for the standard model Higgs boson in Z0 decays. <i>Nuclear Physics B</i> , 1994 , 421, 3-37	2.8	26
503	A measurement of D meson production in Z0 hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 533-545		26
502	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> , 2016 , 76, 658	4.2	26
501	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25

500	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> , 2013 , 73, 2362	4.2	25
499	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> , 2017 , 2017, 1	5.4	25
498	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> , 2015 , 75, 165	4.2	25
497	A study of the b-quark fragmentation function with the DELPHI detector at LEP I and an averaged distribution obtained at the Z Pole. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	25
496	Testing of bulk radiation damage of n-in-p silicon sensors for very high radiation environments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S83-S89	1.2	25
495	Measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 666, 23-30	4.2	25
494	Measurement of the B_0 decay form factor. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 585, 63-84	4.2	25
493	Silicon microstrip detectors for the ATLAS SCT. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 485, 84-88	1.2	25
492	Determination of $ V_{ub} / V_{cb} $ with DELPHI at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 478, 14-30	4.2	25
491	Charged particle multiplicity in e^+e^- interactions at $s = 130$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 372, 172-180	4.2	25
490	Search for exclusive decays of the \bar{B} baryon and measurement of its mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 374, 351-361	4.2	25
489	Study of final state photons in hadronic Z^0 decay and limits on new phenomena. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 555-565		25
488	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> , 2016 , 76, 547	4.2	25
487	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> , 2016 , 2016, 1	5.4	25
486	Measurement of the top quark mass in the $(\bar{t} \rightarrow \ell \nu)$ lepton+jets channel from $(\sqrt{s}=8)$ TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	24
485	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	24
484	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24
483	Measurement of the production cross section of prompt J/ψ mesons in association with a W^\pm boson in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	24

464	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 762	4.2	23
463	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> , 2017 , 77, 26	4.2	22
462	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> , 2017 , 2017, 1	5.4	22
461	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> , 2015 , 75, 362	4.2	22
460	Search for W W/W Z resonance production in $\bar{b}q$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
459	A search for prompt lepton-jets in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	22
458	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
457	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
456	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> , 2015 , 2015, 1	5.4	22
455	Search for pair production of second generation scalar leptoquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 224-232	4.2	22
454	Search for the lightest scalar top quark in events with two leptons in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 675, 289-296	4.2	22
453	Study of rare b decays with the DELPHI detector at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 207-220		22
452	Search for scalar leptoquarks from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 275, 222-230	4.2	22
451	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> , 2018 , 2018, 1	5.4	22
450	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> , 2019 , 2019, 1	5.4	21
449	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> , 2015 , 75, 79	4.2	21
448	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> , 2016 , 76, 11	4.2	21
447	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> , 2014 , 74, 3195	4.2	21

446	Measurement of the multiplicity of gluons splitting to bottom quark pairs in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 405, 202-214	4.2	21
445	Measurement of $ V_{cs} $ using W decays at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 439, 209-224	4.2	21
444	Search for third generation scalar leptoquarks decaying into τ ub. <i>Physical Review Letters</i> , 2008 , 101, 241802	7.4	21
443	Study of triple-gauge-boson couplings ZZZ, ZZ γ and Z γ γ at LEP. <i>European Physical Journal C</i> , 2007 , 51, 525-542	4.2	21
442	Search for heavy stable and long-lived particles in e+e γ collisions at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 478, 65-72	4.2	21
441	Measurement of inclusive D , $F_0(980)$, $F_2(1270)$, K and $F_2'(1525)$ production in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 449, 364-382	4.2	21
440	Measurement of the partial width of the Z0 into $b(\bar{b})$ final states using their semi-leptonic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 56, 47-61		21
439	Searches for heavy neutrinos from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 274, 230-238	4.2	21
438	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> , 2016 , 2016, 1	5.4	21
437	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> , 2019 , 2019, 1	5.4	21
436	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> , 2018 , 78, 1007	4.2	21
435	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> , 2018 , 2018, 1	5.4	21
434	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> , 2018 , 78, 997	4.2	21
433	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4.2	20
432	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> , 2016 , 2016, 1	5.4	20
431	Searches for heavy diboson resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
430	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at ($\sqrt{s}=13$ ~text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	20
429	Searches for the Z γ 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> , 2017 , 2017, 1	5.4	20

428	The optical links of the ATLAS Semiconductor Tracker. <i>Journal of Instrumentation</i> , 2007 , 2, P09003-P09003	20
427	Development of radiation tolerant semiconductor detectors for the Super-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 546, 99-107	1.2 20
426	Measurements of the trilinear gauge boson couplings WWV ($V=\gamma, Z$) in e^+e^- collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 459, 382-396	4.2 20
425	Kaon interference in the hadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 379, 330-340	4.2 20
424	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> , 2020 , 2020, 1	5.4 20
423	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 565	4.2 20
422	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> , 2017 , 77, 264	4.2 19
421	Performance of top-quark and (\vec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2 19
420	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> , 2017 , 77, 898	4.2 19
419	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> , 2017 , 77, 872	4.2 19
418	Search for stable heavy charged particles in e^+e^- collisions at , 161 and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 396, 315-326	4.2 19
417	Search for R-parity violating supersymmetry via the LLE couplings $\tilde{\kappa}_{21}, \tilde{\kappa}_{22}$ or $\tilde{\kappa}_{33}$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 441-449	4.2 19
416	Measurements of the lineshape of the Z^0 and determination of electroweak parameters from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , 1994 , 417, 3-57	2.8 19
415	A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 276, 536-546	4.2 19
414	Determination of Θ_S for b quarks at the Z^0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 221-236	4.2 19
413	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 403	4.2 19
412	Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 228	4.2 18
411	Search for long-lived neutral particles in pp collisions at (\sqrt{s}) = 13~{TeV} that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2 18

410	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
409	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
408	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2982	4.2	18
407	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2676	4.2	18
406	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> , 2015 , 2015, 1	5.4	18
405	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> , 2015 , 2015, 1-65	5.4	18
404	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> , 2015 , 75, 407	4.2	18
403	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	18
402	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $(\sqrt{s}=7)$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	18
401	Testing of surface properties pre-rad and post-rad of n-in-p silicon sensors for very high radiation environment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S111-S117	1.2	18
400	Measurements of CP-conserving trilinear gauge boson couplings WWV ($V=Z$) in $e+e$ collisions at LEP2. <i>European Physical Journal C</i> , 2010 , 66, 35-56	4.2	18
399	Search for pair production of second generation scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 636, 183-190	4.2	18
398	W pair production cross-section and W branching fractions in $e+e$ interactions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 479, 89-100	4.2	18
397	Measurement of the rate of events in hadronic Z decays and the extraction of the gluon splitting into. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 462, 425-439	4.2	18
396	Search for anomalous production of single photons at and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 471-479	4.2	18
395	Measurement of the average lifetime of B hadrons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 567-580		18
394	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> , 2016 , 76, 87	4.2	18
393	Searches for heavy ZZ and ZW resonances in the $\bar{t}q$ and $t\bar{q}$ final states in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17

392	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> , 2014 , 2014, 1	5.4	17
391	Measurement of polarization in \rightarrow decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
390	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> , 2014 , 74, 3117	4.2	17
389	A search for $\tilde{\chi}$ production in photon-photon fusion at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 441, 479-490	4.2	17
388	Search for flavor-changing-neutral-current d meson decays. <i>Physical Review Letters</i> , 2008 , 100, 101801	7.4	17
387	Evidence for an excess of soft photons in hadronic decays of Z^0 . <i>European Physical Journal C</i> , 2006 , 47, 273-294	4.2	17
386	Search for SUSY with R-parity violating couplings at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 36-52	4.2	17
385	Measurements of the $\tilde{\chi}$ polarisation in Z^0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 183-201		17
384	Measurement of the forward-backward asymmetry of $e^+e^- \rightarrow Z^0 \rightarrow (b\bar{b})$ using prompt leptons and a lifetime tag. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 569-585		17
383	Study of radiative leptonic events with hard photons and search for excited charged leptons at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 380, 480-490	4.2	17
382	A measurement of the lifetime of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 267, 422-430	4.2	17
381	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> , 2020 , 80, 1	4.2	17
380	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text] $\sqrt{s}=13$ TeV [Formula: see text] collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 517	4.2	17
379	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> , 2019 , 79, 1	4.2	16
378	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> , 2016 , 2016, 1	5.4	16
377	Search for the Standard Model Higgs boson decaying into ($\overline{b}b$) 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> , 2016 , 2016, 1	5.4	16
376	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16
375	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16

374	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> , 2015 , 2015, 1	5.4	16
373	Measurement of the ($\overline{t}W$) and ($\overline{t}Z$) production cross sections in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
372	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> , 2015 , 2015, 1	5.4	16
371	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3168	4.2	16
370	Measurement of the production cross-section of $\Upsilon(2S) \rightarrow J/\psi + \eta$ in pp collisions at (\sqrt{s}) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
369	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
368	A measurement of β_s from the scaling violation in e^+e^- annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 398, 194-206	4.2	16
367	Measurement of the mass of the W boson using direct reconstruction at $\sqrt{s} = 183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 462, 410-424	4.2	16
366	Measurement of the $(\Gamma_{b\bar{b}}/\Gamma_{had})$ branching ratio of τ by double hemisphere tagging. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 555-568		16
365	A precise measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 365, 448-460	4.2	16
364	Search for excited charged leptons in $Z \rightarrow \ell\ell$ decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 41-49		16
363	A measurement of the tau lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 302, 356-368	4.2	16
362	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
361	Search for the Higgs boson produced in association with a boson and decaying to four b -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
360	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 12	4.2	16
359	Measurement of fiducial and differential (W^+W^-) production cross-sections at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
358	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ($\sqrt{s_{NN}} = 5.02$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
357	Search for pair production of heavy vector-like quarks decaying into high- p_T 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> , 2018 , 2018, 1	5.4	16

356	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+jet 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> , 2019 , 79, 1	4.2	15
355	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> , 2015 , 75, 231	4.2	15
354	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> , 2013 , 2013, 1	5.4	15
353	Measurements of (ΥS) and $X(3872) \rightarrow J/\psi \ \eta$ production in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
352	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , 2017 , 77, 563	4.2	15
351	Determination of the top-quark pole mass using $(\overline{t}) + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	15
350	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> , 2013 , 15, 043009	2.9	15
349	Search for diphoton events with large missing transverse energy with 36 pb $^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	15
348	Search for a scalar or vector particle decaying into $Z\eta$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 349-355	4.2	15
347	Search for neutral Higgs bosons in multi-b-jet events in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 221802	7.4	15
346	Study of b-quark mass effects in multijet topologies with the DELPHI detector at LEP. <i>European Physical Journal C</i> , 2008 , 55, 525-538	4.2	15
345	Search for the Higgs boson in events with isolated photons at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 458, 431-446	4.2	15
344	A measurement of the mean lifetimes of charged and neutral B-hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 312, 253-266	4.2	15
343	A study of $B^0\bar{B}^0$ mixing using semileptonic decays of B hadrons produced from Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 301, 145-154	4.2	15
342	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> , 2018 , 2018, 1	5.4	15
341	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in η collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 625	4.2	15
340	Measurement of the $[\text{Formula: see text}]$ and $[\text{Formula: see text}]$ production cross sections in multilepton final states using 3.2 fb $^{-1}$ of $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
339	Measurements of electroweak $[\text{Formula: see text}]$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14

338	Search for single production of vector-like quarks decaying into Wb in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
337	Measurement of the (\overline{t}) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
336	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
335	Charge collection and field profile studies of heavily irradiated strip sensors for the ATLAS inner tracker upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 181-188	1.2	14
334	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> , 2014 , 2014, 1	5.4	14
333	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
332	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> , 2013 , 2013, 1	5.4	14
331	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> , 2015 , 2015, 1	5.4	14
330	A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2083	4.2	14
329	Evaluation of the bulk and strip characteristics of large area n-in-p silicon sensors intended for a very high radiation environment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S104-S110	1.2	14
328	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010 , 70, 875-916	4.2	14
327	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	14
326	Search for scalar neutrino superpartners in $e+\mu$ final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 241803	7.4	14
325	Measurement of the mass and width of the W boson in $e+e^-$ collisions at \sqrt{s} GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 511, 159-177	4.2	14
324	Determination of the $e+e^- \rightarrow \mu\mu$ cross-section at centre-of-mass energies ranging from 189 GeV to 202 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 491, 67-80	4.2	14
323	Search for supersymmetric partners of top and bottom quarks at \sqrt{s} GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 496, 59-75	4.2	14
322	Search for the lightest chargino at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 382, 323-336	4.2	14
321	A measurement of the B_s^0 meson mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 324, 500-508	4.2	14

320	Charged kaon production in tau decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 334, 435-449	4.2	14
319	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	14
318	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
317	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> , 2017 , 77, 292	4.2	13
316	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> , 2017 , 77, 141	4.2	13
315	Search for top-quark decays $t \rightarrow Hq$ with 36 fb $^{-1}$ of pp collision data at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
314	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^* \rightarrow e\gamma$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
313	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> , 2016 , 2016, 1	5.4	13
312	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> , 2016 , 2016, 1	5.4	13
311	Addendum to Measurement of the ($t\bar{t}$) production cross-section using (emu) events with b-tagged jets in pp collisions at (\sqrt{s}) = 7 and 8 (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	13
310	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 4	4.2	13
309	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> , 2017 , 2017, 1	5.4	13
308	Search for R-parity-violating supersymmetry in events with four or more leptons in ($\sqrt{s}=7$; TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	13
307	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ($\sqrt{s} = 7$ ~TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
306	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
305	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb $^{-1}$ of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
304	A silicon strip module for the ATLAS inner detector upgrade in the super LHC collider. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S97-S103	1.2	13
303	Progress with the single-sided module prototypes for the ATLAS tracker upgrade stave. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 636, S90-S96	1.2	13

302	Observation of charge-ordering in particle production in hadronic Z0 decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 407, 174-184	4.2	13
301	The data acquisition and calibration system for the ATLAS Semiconductor Tracker. <i>Journal of Instrumentation</i> , 2008 , 3, P01003-P01003	1	13
300	Search for associated higgs boson production $WH \rightarrow WWW^{*-} \rightarrow l^{+/-} \nu l'^{+/-} \nu' + X$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 151804	7.4	13
299	A measurement of the branching fractions of the b-quark into charged and neutral b-hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 576, 29-42	4.2	13
298	Measurement of the branching fraction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 475, 407-428	4.2	13
297	Upper limit for the decay $B \rightarrow \mu \mu$ and measurement of the $b \rightarrow \mu \mu$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 496, 43-58	4.2	13
296	Measurement of $\eta(1232)$ production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 361, 207-220	4.2	13
295	Search for heavy neutral Higgs bosons in two-doublet models. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 69-79		13
294	Study of hard scattering processes in multihadron production from e^+e^- collisions at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 62, 357-365		13
293	Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 274, 498-506	4.2	13
292	Fluctuations of anisotropic flow in Pb+Pb collisions at $(\sqrt{s}_{NN}) = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
291	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> , 2020 , 80, 1	4.2	13
290	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> , 2021 , 81, 1	4.2	13
289	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> , 2019 , 79, 1	4.2	13
288	Operation and performance of the ATLAS Tile Calorimeter in Run1. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
287	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> , 2019 , 79, 1	4.2	12
286	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
285	Higgs boson production cross-section measurements and their EFT interpretation in the $(\ell \ell)$ decay channel at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12

284	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> , 2016 , 2016, 1	5.4	12
283	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> , 2016 , 2016, 1	5.4	12
282	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> , 2016 , 2016, 1	5.4	12
281	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4.2	12
280	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> , 2016 , 2016, 1-46	5.4	12
279	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> , 2018 , 2018, 1	5.4	12
278	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at ($\sqrt{\mathrm{mathrm{s}}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
277	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> , 2014 , 74, 2895	4.2	12
276	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> , 2017 , 2017, 1	5.4	12
275	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> , 2017 , 2017, 1	5.4	12
274	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
273	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> , 2017 , 2017, 1	5.4	12
272	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> , 2013 , 73, 1	4.2	12
271	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
270	Investigation of Colour Reconnection in WW events with the DELPHI detector at LEP-2. <i>European Physical Journal C</i> , 2007 , 51, 249	4.2	12
269	High-pitch metal-on-glass technology for pad pitch adaptation between detectors and readout electronics. <i>IEEE Transactions on Nuclear Science</i> , 2004 , 51, 968-974	1.7	12
268	Search for charged Higgs bosons in $e+e^-$ collisions at $s=189\text{--}202$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 525, 17-28	4.2	12
267	Limits on the masses of supersymmetric particles at $s=189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 489, 38-54	4.2	12

266	First evidence of hard scattering processes in single tagged collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 342, 402-416	4.2	12
265	Search for neutralinos, scalar leptons and scalar quarks in e^+e^- interactions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 387, 651-666	4.2	12
264	Interference of neutral kaons in the hadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 323, 242-252	4.2	12
263	Measurement of time dependent B_d^0 - B_d^0 mixing. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 338, 409-420	4.2	12
262	Production rate and decay lifetime measurements of B^0 s mesons at LEP using D^0 s and η' mesons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 61, 407-419		12
261	Measurement of the top-quark mass in $(\overline{t}t) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
260	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $(\sqrt{s}=8\text{~TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	11
259	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 129	4.2	11
258	Study of surface properties of ATLAS12 strip sensors and their radiation resistance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 197-206	1.2	11
257	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13~TeV . <i>European Physical Journal C</i> , 2019 , 79,	4.2	11
256	Measurement of lepton differential distributions and the top quark mass in production in collisions at \sqrt{s} TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
255	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> , 2017 , 2017, 1	5.4	11
254	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
253	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> , 2012 , 2012, 1	5.4	11
252	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> , 2012 , 72, 1	4.2	11
251	Measurement of W and Z production in proton-proton collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11
250	Measurement of the triple gluon vertex from double quark tagged 4-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 401-418	4.2	11
249	Charged particle multiplicity in $e^+e^- \rightarrow qq$ events at 161 and 172 GeV and from the decay of the W boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 416, 233-246	4.2	11

248	Search for R-parity violation with a $U D \bar{D}$ coupling at $\sqrt{s}=189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 500, 22-36	4.2	11
247	B polarization in Z0 decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 474, 205-222	4.2	11
246	B* production in Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 353-362		11
245	Lifetime of charged and neutral B hadrons using event topology. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 363-374		11
244	Search for pair-produced heavy scalars in Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 64, 183-193		11
243	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> , 2021 , 81, 1	4.2	11
242	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> , 2018 , 2018, 1	5.4	10
241	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> , 2016 , 2016, 1	5.4	10
240	Measurement of the CP-violating phase ϕ_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> , 2016 , 2016, 1	5.4	10
239	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> , 2019 , 2019, 1	5.4	10
238	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
237	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at 7 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
236	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
235	A study of $(\bar{b}b)$ production in e^+e^- collisions at $\sqrt{s}=130$ –207 GeV. <i>European Physical Journal C</i> , 2009 , 60, 1-15	4.2	10
234	Study of the dependence of direct soft photon production on the jet characteristics in hadronic Z0 decays. <i>European Physical Journal C</i> , 2010 , 67, 343-366	4.2	10
233	Search for excited leptons in e^+e^- collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 393, 245-260	4.2	10
232	Search for charginos, neutralinos and gravitinos at LEP. <i>European Physical Journal C</i> , 1998 , 1, 1	4.2	10
231	Rapidity correlations in \bar{b} -baryon and proton production in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 416, 247-256	4.2	10

230	Measurement of the $e^+e^- \rightarrow \tau^+\tau^-$ cross section at the LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 433, 429-440	4.2	10
229	The integration and engineering of the ATLAS Semiconductor Tracker Barrel. <i>Journal of Instrumentation</i> , 2008 , 3, P10006-P10006	1	10
228	Search for \tilde{b} in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 634, 340-346	4.2	10
227	Search for spontaneous R-parity violation at \sqrt{s} GeV and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 502, 24-36	4.2	10
226	Update of the search for charginos nearly mass-degenerate with the lightest neutralino. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 485, 95-106	4.2	10
225	Multiplicity fluctuations in one- and two-dimensional angular intervals compared with analytic QCD calculations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 457, 368-382	4.2	10
224	A precision measurement of the average lifetime of B hadrons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 3-15		10
223	Evaluation of the performance of irradiated silicon strip sensors for the forward detector of the ATLAS Inner Tracker Upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 207-212	1.2	9
222	Measurement of the ZZ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV using the $ZZ \rightarrow \mu^+\mu^-$ and $(ZZ \rightarrow \ell^+\ell^-\nu\bar{\nu})$ decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
221	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> , 2017 , 2017, 1	5.4	9
220	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of $(\sqrt{s}) = 8$ TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	9
219	Combined performance studies for electrons at the 2004 ATLAS combined test-beam. <i>Journal of Instrumentation</i> , 2010 , 5, P11006-P11006	1	9
218	Search for charged Higgs bosons in e^+e^- collisions at $\sqrt{s}=172$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 420, 140-156	4.2	9
217	Inclusive \tilde{b} and \tilde{t} production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 475, 429-447	4.2	9
216	Search for charged Higgs bosons at LEP 2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 460, 484-497	4.2	9
215	A measurement of the τ leptonic branching fractions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 715-724	4.2	9
214	Measurement of the mixing using the average electric charge of hadron-jets in Z^0 -decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 322, 459-472	4.2	9
213	Measurement of the mixing parameter in DELPHI. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 332, 488-500	4.2	9

212	Measurement of the Z0 branching fraction to b quark pairs using the boosted sphericity product. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 281, 383-393	4.2	9
211	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
210	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4(ell) decay channel at $(\sqrt{s}) = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
209	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> , 2018 , 2018, 1	5.4	9
208	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> , 2019 , 2019, 1	5.4	8
207	Measurement of $VH, (\text{H}) \rightarrow \text{b}\overline{\text{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
206	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
205	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
204	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8
203	Search for scalar resonances decaying into $\mu\mu$ in events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
202	A double-sided, shield-less stave prototype for the ATLAS Upgrade strip tracker for the High Luminosity LHC. <i>Journal of Instrumentation</i> , 2014 , 9, P03012-P03012	1	8
201	Measurement of splitting scales in \rightarrow events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
200	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 144	4.2	8
199	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8
198	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
197	Observation of the muon inner bremsstrahlung at LEP1. <i>European Physical Journal C</i> , 2008 , 57, 499-514	4.2	8
196	Single intermediate vector boson production in $e+e$ collisions at $s=183$ and $189\sqrt{\text{GeV}}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 515, 238-254	4.2	8
195	Search for charginos in $e+e$ interactions at $s=189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 479, 129-143	4.2	8

194	W pair production cross-section and W branching fractions in e+e- interactions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 456, 310-321	4.2	8
193	Updated precision measurement of the average lifetime of B hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 377, 195-204	4.2	8
192	Evidence for ($t\bar{t}$) production in the multilepton final state in proton-proton collisions at ($\sqrt{s}=13$) (TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
191	Search for light long-lived neutral particles produced in pp collisions at ($\sqrt{s} = 13\text{-}\mathrm{TeV}$) and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
190	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
189	Measurements of top-quark pair spin correlations in the ($e\mu$) channel at ($\sqrt{s} = 13$) TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
188	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
187	Search for heavy resonances decaying into a pair of Z bosons in the ($e^+e^-e^+e^-$) and ($e^+e^-e^-\nu_{\bar{\nu}}$) final states using 139 (fb^{-1}) of proton-proton collisions at ($\sqrt{s} = 13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
186	Search for charged Higgs bosons decaying into a top quark and a bottom quark at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
185	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
184	Detailed studies of full-size ATLAS12 sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 167-173	1.2	8
183	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of (\sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
182	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 784	4.2	8
181	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> , 2018 , 2018, 1	5.4	8
180	Measurements of inclusive and differential fiducial cross-sections of ($t\bar{t}\gamma$) production in leptonic final states at ($\sqrt{s}=13\text{-}\mathrm{TeV}$) in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
179	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (\sqrt{s}) = 13 TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
178	Transverse momentum and process dependent azimuthal anisotropies in ($\sqrt{s}_{\mathrm{NN}}=8.16$) TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
177	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 102	4.2	7

176	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 683	4.2	7
175	Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
174	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> , 2019 , 2019, 1	5.4	7
173	The front-end hybrid for the ATLAS HL-LHC silicon strip tracker. <i>Journal of Instrumentation</i> , 2014 , 9, C02Q27-C02Q27		
172	Measurement of the ($\overline{t}\gamma$) production cross section in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
171	Measurements of top-quark pair to Z-boson cross-section ratios at ($\sqrt{s}=13$) , 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
170	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
169	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ($\sqrt{s}=13$) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
168	Studies of $Z\ell$ production in association with a high-mass dijet system in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
167	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
166	Search for the sgoldstino at from 189 to 202 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 494, 203-214	4.2	7
165	Upper limits on the branching ratios $\Gamma \rightarrow \ell \gamma$ and $\Gamma \rightarrow e \gamma$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 359, 411-421	4.2	7
164	Search for Z^0 decays to two leptons and a charged particle-antiparticle pair. <i>Nuclear Physics B</i> , 1993 , 403, 3-24	2.8	7
163	Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV 1999 , 6, 385		7
162	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
161	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13$, {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
160	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the ($\ell \ell \ell \ell$ bb) and ($\ell \ell \ell \ell$ WW) final states in pp collisions at ($\sqrt{s}=13$) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
159	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 670	4.2	7

158	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 541	4.2	7
157	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 81	4.2	7
156	Measurement of (W^{\pm}) boson production in Pb+Pb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5.02~text {TeV} with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
155	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> , 2019 , 2019, 1	5.4	7
154	Measurements of WH and ZH production in the ($H \rightarrow b\bar{b}$) decay channel in pp collisions at (13,~text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
153	Embedded pitch adapters: A high-yield interconnection solution for strip sensors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 831, 221-228	1.2	6
152	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4.2	6
151	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> , 2014 , 2014, 1	5.4	6
150	Embedded pitch adapters for the ATLAS Tracker Upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 178-181	1.2	6
149	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
148	Top-quark mass measurement in the all-hadronic (\overline{t}) decay channel at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
147	Measurement of the inclusive charmless and double-charm B branching ratios. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 426, 193-206	4.2	6
146	Study of leading hadrons in gluon and quark fragmentation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 643, 147-157	4.2	6
145	Measurement of the ZZ cross-section in e^+e^- interactions at 183~89~GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 497, 199-213	4.2	6
144	A search for invisible Higgs bosons produced in e^+e^- interactions at LEP 2 energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 459, 367-381	4.2	6
143	Search for exclusive charmless B meson decays with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 255-266	4.2	6
142	Multiplicity dependence of mean transverse momentum in e^+e^- annihilations at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 276, 254-262	4.2	6
141	Search for (\overline{t}) resonances in fully hadronic final states in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6

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> , 2021 , 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> , 2021 , 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> , 2021 , 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> , 2018 , 2018, 1	5.4	6
136	Search for exclusive Higgs and Z boson decays to $\tau\tau$ and $\tau\nu$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
135	Measurement of jet activity produced in top-quark events with an electron, a muon and two τ -tagged jets in the final state in collisions at \sqrt{s} TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 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> , 2019 , 2019, 1	5.4	5
133	Measurement of differential cross-sections of a single top quark produced in association with a boson at \sqrt{s} with ATLAS. <i>European Physical Journal C</i> , 2018 , 78, 186	4.2	5
132	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
131	Measurement of four-jet differential cross sections in $(\sqrt{s}=8)$ TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-76	5.4	5
130	Two-particle angular correlations in e^+e^- interactions compared with QCD predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 440, 203-216	4.2	5
129	Measurement of the charged particle multiplicity of weakly decaying B hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 425, 399-412	4.2	5
128	Laser tests of silicon detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 573, 12-15	1.2	5
127	Search for pentaquarks in the hadronic decays of the Z boson with the DELPHI detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 653, 151-160	4.2	5
126	Measurement of inclusive $f_1(1285)$ and $f_1(1420)$ production in Z decays with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 569, 129-139	4.2	5
125	Measurement of the forward-backward asymmetry of charm and bottom quarks at the Z pole using $D^* \rightarrow \pi$ mesons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 66, 341-354		5
124	A measurement of B^+ and B^0 lifetimes using $(\bar{D} \rightarrow \ell^+ \nu)$ events. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 68, 13-23		5
123	First measurement of $f_2'(1525)$ production in Z^0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 379, 309-318	4.2	5

122	Search for pair-produced neutralinos in events with photons and missing energy from e+e- collisions at ($\sqrt{s} = 130 - 183$) GeV 1999 , 6, 371		5
121	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
120	Search for the HH \rightarrow ($\overline{b}b$) process via vector-boson fusion production using proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
119	Observation of the associated production of a top quark and a Z boson in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
118	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
117	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
116	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 375	4.2	5
115	Sensors for the End-cap prototype of the Inner Tracker in the ATLAS Detector Upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 833, 226-232	1.2	5
114	Measurement of the relative width difference of the (B^0) system with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
113	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
112	Search for dark matter in association with an energetic photon in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
111	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4.2	5
110	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 487	4.2	5
109	Measurement of the charge collection in irradiated miniature sensors for the upgrade of the ATLAS phase-II strip tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 924, 153-159	1.2	4
108	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> , 2016 , 2016, 1	5.4	4
107	A double-sided silicon micro-strip Super-Module for the ATLAS Inner Detector upgrade in the High-Luminosity LHC. <i>Journal of Instrumentation</i> , 2014 , 9, P02003-P02003	1	4
106	Measurement of the transverse spin correlation in $Z \rightarrow \mu\mu$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 404, 194-206	4.2	4
105	Search for B_s^0 -oscillations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 382-400	4.2	4

104	Beam test of the ATLAS silicon detector modules. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 409, 236-239 ^{1,2}	4
103	Alignment of the Pixel and SCT Modules for the 2004 ATLAS Combined Test Beam. <i>Journal of Instrumentation</i> , 2008 , 3, P09004-P09004	1 4
102	Characterization of irradiated detectors fabricated on p-type silicon substrates for super-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 583, 33-36	1.2 4
101	Coherent soft particle production in Z decays into three jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 605, 37-48	4.2 4
100	Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV. <i>European Physical Journal C</i> , 1999 , 6, 385-401	4.2 4
99	Search for heavy diboson resonances in semileptonic final states in pp collisions at (\sqrt{s} =13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2 4
98	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2 4
97	Measurement of J/ψ production in association with a W boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4 4
96	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2 4
95	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> , 2018 , 2018, 1	5.4 4
94	Search for dark matter produced in association with a single top quark in (\sqrt{s} =13) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2 4
93	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> , 2020 , 2020, 1	5.4 3
92	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> , 2020 , 80, 1	4.2 3
91	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4.2 3
90	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> , 2019 , 79,	4.2 3
89	Measurement of the k_t splitting scales in $Z \rightarrow \ell\bar{\ell}$ events in pp collisions at (\sqrt{s} =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4 3
88	Search for single top quark production via contact interactions at LEP2. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2 3
87	Performance of the ATLAS silicon strip detector modules. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 403, 247-255	1.2 3

86	Engineering for the ATLAS SemiConductor Tracker (SCT) End-cap. <i>Journal of Instrumentation</i> , 2008 , 3, P05002-P05002	1	3
85	Search for a fourth generation b \bar{q} quark at LEP-II at ($\sqrt{s}=$),196009 GeV. <i>European Physical Journal C</i> , 2007 , 50, 507-518	4.2	3
84	Inclusive b \bar{q} decays to wrong sign charmed mesons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 561, 26-40	4.2	3
83	Update of the search for supersymmetric particles in scenarios with gravitino LSP and sleptons NLSP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 503, 34-48	4.2	3
82	Rapidity-rank structure of pp pairs in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 490, 61-70	4.2	3
81	Search for pair-produced neutralinos in events with photons and missing energy from e+e- collisions at ($\sqrt{s} = 130 - 183$) GeV. <i>European Physical Journal C</i> , 1999 , 6, 371-384	4.2	3
80	Search for high mass \bar{q} resonances in($e^+ + e^+ - \text{to } \ell \ell^+ + \ell \ell^+ - \gamma \gamma$) ,(nu bar nu gamma gamma) and(qbar qqgamma gamma) at LEP lat LEP I. <i>Zeitschrift F\ddot{u}r Physik C-Particles and Fields</i> , 1996 , 72, 179-190		3
79	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector 2015 , 75, 1		3
78	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider 2015 , 75, 1		3
77	Measurement of K_S^0 and Λ^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> , 2019 , 79, 1	4.2	3
76	Determination of jet calibration and energy resolution in proton-proton collisions at ($\sqrt{s} = 8\sqrt{\text{TeV}}$) using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
75	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb $\sqrt{}$ of data with the ATLAS detector 2015 , 2015, 1		3
74	Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
73	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 ($\sqrt{\text{mathrm{s}}}$) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
72	Measurement of hadronic event shapes in high-pT multijet final states at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
71	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> , 2019 , 79, 1	4.2	2
70	Annealing studies of irradiated p-type sensors designed for the upgrade of ATLAS phase-II strip tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019 , 924, 128-132	1.2	2
69	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> , 2020 , 2020, 1	5.4	2

68	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	2
67	Design and fabrication of sensor prototypes for the end-cap tracker of the ATLAS upgrade 2012 ,		2
66	Identified particles in quark and gluon jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 118-130	4.2	2
65	$Z\bar{\nu}\nu$ production in e^+e^- interactions at ($\sqrt{s} = 183\text{-}209\text{,text{GeV}}$). <i>European Physical Journal C</i> , 2007 , 51, 503-523	4.2	2
64	Ultimate limits for the radiation hardness of silicon strip detectors for sLHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 365-367	1.2	2
63	Annealing studies of silicon microstrip detectors irradiated at high neutron fluences. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 591, 181-183	1.2	2
62	Masses, lifetimes and production rates of $\tilde{\chi}^0_1$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 179-191	4.2	2
61	Rapidity-alignment and p_T compensation of particle pairs in hadronic Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 533, 243-252	4.2	2
60	Search for chargino pair production in scenarios with gravitino LSP and stau NLSP at GeV at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 466, 61-70	4.2	2
59	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> , 2021 , 81, 1	4.2	2
58	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
57	Measurement of the inclusive isolated-photon cross section in pp collisions at (\sqrt{s}) = 13 TeV using 36 fb $^{-1}$ of ATLAS data. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
56	Measurements of inclusive and differential cross-sections of combined ($\overline{t}\gamma$) and $tW\bar{\nu}$ production in the $e\bar{e}$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
55	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> , 2020 , 2020, 1	5.4	2
54	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
53	Search for supersymmetry in events with four or more charged leptons in 139 fb $^{-1}$ of (\sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
52	Measurement of ZZ production in the $\ell\ell$ final state with the ATLAS detector in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
51	Measurement of (W^{\pm})-boson and Z-boson production cross-sections in pp collisions at ($\sqrt{s}=2.76$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	2

50	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at (\sqrt{s}) = 13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
49	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , 2016 , 18, 073021	2.9	1
48	Low-resistance strip sensors for beam-loss event protection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 765, 252-257	1.2	1
47	A portable telescope based on the ALIBAVA system for test beam studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 130-133	1.2	1
46	Photon reconstruction in the ATLAS Inner Detector and Liquid Argon Barrel Calorimeter at the 2004 Combined Test Beam. <i>Journal of Instrumentation</i> , 2011 , 6, P04001-P04001	1	1
45	Inclusive single-particle production in two-photon collisions at LEP II with the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 678, 444-449	4.2	1
44	Characterization of irradiated P-type silicon detectors by the ALIBAVA system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 617, 565-567	1.2	1
43	Pitch adaptors of the ATLAS-SCT Endcap detector modules. <i>Journal of Instrumentation</i> , 2007 , 2, T10001-T10001		
42	Di-jet production in pp collisions at LEP2. <i>European Physical Journal C</i> , 2008 , 58, 531-541	4.2	1
41	An upper limit for $\text{Br}(Z^0 \rightarrow ggg)$ from symmetric 3-jet Z^0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 389, 405-415	4.2	1
40	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ($\sqrt{s}=8\text{ TeV}$) with the ATLAS detector 2016 , 76, 1		1
39	Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
38	Mean lifetime of the B^0 meson 1996 , 71, 11		1
37	Measurement of the B^0 oscillation frequency using kaons, leptons and jet charge 1996 , 72, 17		1
36	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> , 2020 , 2020, 1	5.4	1
35	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> , 2020 , 2020, 1	5.4	1
34	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
33	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1

32	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
31	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
30	Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a Z boson at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
29	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
28	Search for chargino–neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
27	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
26	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
25	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
24	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
23	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
22	Measurement of the $t(\bar{t})$ production cross section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
21	Measurements of $W+W\bar{W}$ 0-jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
20	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s}=13, \text{TeV})$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
19	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
18	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
17	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
16	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
15	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \bar{\nu}_{\tau}$ events in Run 2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0

14	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> , 2021 , 2021, 1	5.4	○
13	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
12	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
11	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	○
10	Measurement of the electron structure function F_2 at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 737, 39-47	4.2	
9	A layer correlation technique for pion energy calibration at the 2004 ATLAS Combined Beam Test. <i>Journal of Instrumentation</i> , 2011 , 6, P06001-P06001	1	
8	Correlations between polarisation states of W particles in the reaction $e^+e^- \rightarrow W^+W^-$ at LEP2 energies 189-209 GeV. <i>European Physical Journal C</i> , 2009 , 63, 611-623	4.2	
7	ATLAS silicon module assembly and qualification tests at IFIC Valencia. <i>Journal of Instrumentation</i> , 2007 , 2, T05001-T05001	1	
6	Characterisation of p-type detectors for the future Super-LHC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 579, 604-607	1.2	
5	Measurement of the tau lepton polarisation at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 65-73	4.2	
4	Study of the four-jet anomaly observed at LEP centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 448, 311-319	4.2	
3	EASY: Educational Alibava System. <i>EPJ Web of Conferences</i> , 2021 , 253, 10004	0.3	
2	ALIBAVA Silicon Microstrip Readout System for Educational Purposes. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 273-275, 2563-2565	0.4	
1	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	