

# Qun Ouyang

## List of Publications by Year in Descending Order

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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.

588  
papers

19,835  
citations

65  
h-index

109  
g-index

630  
ext. papers

23,204  
ext. citations

4.7  
avg, IF

2.33  
L-index

#	Paper	IF	Citations
588	Amplitude analysis and branching fraction measurement of the decay $\{D\}_s^{+} \rightarrow \mu^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
587	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
586	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
585	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
584	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	0
583	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , <b>2022</b> , 6, 1	6	0
582	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run 2 data. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	0
581	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , <b>2022</b> , 82, 1	4.2	
580	Amplitude analysis and branching-fraction measurement of $\{D\}_s^{+} \rightarrow \mu^+ \pi^0$ . <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
579	Search for the decay $h \rightarrow \mu\mu$ . <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1	5.4	
578	Observation of the decays $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0 + c.c.$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	
577	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using ( $\sqrt{s} = 13$ TeV) proton-proton collision data. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
576	Measurement of the $t(\bar{t})t(\bar{t})$ production cross section in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
575	Observation of $e^+e^- \rightarrow \mu^+\mu^- S$ at center-of-mass energies from 4.236 to 4.600 GeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	
574	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at ( $\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
573	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> , <b>2021</b> , 81, 1	4.2	7
572	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>-1</sup> of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	5

571	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
570	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
569	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
568	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	5
567	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	2
566	Search for heavy resonances decaying into a pair of Z bosons in the $(\ell^+ \ell^- \ell'^+ \ell'^-)$ and $(\ell^+ \ell^- \nu \bar{\nu})$ final states using 139 fb of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	8
565	Search for new phenomena in final states with b-jets and missing transverse momentum in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
564	Measurement of the $D \rightarrow K^* K$ and $D \rightarrow K^* \pi$ coherence factors and average strong-phase differences in quantum-correlated ( $\overline{D}$ ) decays. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1
563	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(\ell \ell b \bar{b})$ and $(\ell \ell W W)$ final states in pp collisions at $(\sqrt{s} = 13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	7
562	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	3
561	Measurements of $W+W \rightarrow \ell \ell$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
560	Amplitude analysis and branching-fraction measurement of $(D^+ \rightarrow K^+ S^0 \pi^+ \pi^0)$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
559	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	8
558	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $(\sqrt{s} = 13, \text{text {TeV}})$ . <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	0
557	Search for the rare semi-leptonic decay $J/\psi \rightarrow D^* \ell^+ \ell^- + \text{c.c.}$ . <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
556	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	6
555	Search for supersymmetry in events with four or more charged leptons in 139 fb of $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
554	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W$ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	1

553	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	0
552	A search for the decays of stopped long-lived particles at ( $\sqrt{\text{mathrm{s}}}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	1
551	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at ( $\sqrt{s}$ )=13 TeV. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	13
550	Measurement of hadronic event shapes in high-pT multijet final states at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	3
549	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of ( $\sqrt{s}$ ) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	8
548	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	5
547	Measurements of WH and ZH production in the ( $H \rightarrow \text{bbar}\{b\}$ ) decay channel in pp collisions at (13, $\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	7
546	Search for dark matter in association with an energetic photon in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	5
545	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at ( $\sqrt{s}$ )=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	0
544	Measurement of single top-quark production in association with a W boson in the single-lepton channel at ( $\sqrt{s} = 8, \text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	1
543	Jet energy scale and resolution measured in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	11
542	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at ( $\sqrt{s} = 13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	1
541	Search for dark matter produced in association with a single top quark in ( $\sqrt{s}$ )=13 TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	4
540	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at ( $\sqrt{\text{mathrm{s}}}$ ) = 13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	2
539	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4-2	1
538	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	0
537	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	0
536	Measurement of branching fractions of $J/\psi$ and $\psi(3686)$ decays to $\mu\mu$ and $\overline{\text{Sigma}}\Sigma$ <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5-4	

535	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
534	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
533	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , <b>2021</b> , 81, 1	4.2	1
532	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
531	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	7
530	Measurement of the absolute branching fraction of the inclusive decay ( $\Lambda_c^+ \rightarrow K_S^0 X$ ). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	0
529	Higgs boson production cross-section measurements and their EFT interpretation in the (4ell) decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	12
528	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
527	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
526	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
525	Measurement of the $Z(\rightarrow \mu\mu)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
524	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
523	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s_{\text{NN}}} = 8.16$ TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	7
522	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	30
521	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ (TeV) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	50
520	Search for top squarks in events with a Higgs or Z boson using 139 fb of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	1
519	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> , <b>2020</b> , 80, 1	4.2	8
518	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4

517	Search for light long-lived neutral particles produced in pp collisions at ( $\sqrt{s} = 13 \text{ TeV}$ ) and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	8
516	Search for a scalar partner of the top quark in the all-hadronic ( $t\bar{t}$ ) plus missing transverse momentum final state at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	17
515	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
514	Determination of jet calibration and energy resolution in proton-proton collisions at ( $\sqrt{s} = 8 \text{ TeV}$ ) using the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	3
513	Measurement of $J/\psi$ production in association with a $W\bar{b}$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	4
512	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at ( $\sqrt{s} = 13 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	20
511	Search for ( $\overline{t}$ ) resonances in fully hadronic final states in pp collisions at ( $\sqrt{s} = 13 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	6
510	Reconstruction and identification of boosted di- $\tau$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
509	Study and removal of the flash from the HV divider of the 20-inch PMT for JUNO. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, T04006-T04006	1	1
508	The measurement of the ( $H \rightarrow \tau\tau$ ) signal strength in the future ( $e^+e^-$ ) Higgs factories. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	4
507	Measurements of inclusive and differential cross-sections of combined ( $\overline{t}\gamma$ ) and $tW\bar{b}$ production in the $e\bar{t}$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
506	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	8
505	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	9
504	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at ( $\sqrt{s} = 13 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	9
503	Fluctuations of anisotropic flow in Pb+Pb collisions at ( $\sqrt{\langle s_{NN} \rangle} = 5.02 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	13
502	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
501	Measurement of differential cross sections for single diffractive dissociation in ( $\sqrt{s} = 8 \text{ TeV}$ ) pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
500	Measurement of isolated-photon plus two-jet production in pp collisions at ( $\sqrt{s} = 13 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2



499	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
498	Search for the HH $\rightarrow$ $\overline{b}b$ process via vector-boson fusion production using proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
497	Observation of the associated production of a top quark and a Z boson in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	5
496	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> , <b>2020</b> , 80, 1	4-2	7
495	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5-4	1
494	Total ionization dose effects and compensation in a counting type double SOI pixel sensor. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, C04026-C04026	1	
493	Observation of X(2370) and search for X(2120) in ( $J/\psi \rightarrow \gamma K\overline{K} \eta'$ ). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	4
492	Minimization of charge sharing effects in a counting type SOI pixel detector for synchrotron radiation. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P01037-P01037	1	1
491	Measurements of top-quark pair spin correlations in the ( $e\mu$ ) channel at ( $\sqrt{s}$ ) = 13 TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4-2	8
490	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	11
489	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	8
488	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ( $\sqrt{s}$ ) = 13 TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	37
487	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	2
486	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of ( $\sqrt{s}$ ) = 13 TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4-2	15
485	Amplitude Analysis of $D_{s1}^+ \rightarrow \overline{B}^0 \ell^+ \nu$ and First Observation of the W-Annihilation Dominant Decays $D_{s1}^+ \rightarrow \overline{B}^0 \ell^+ \nu$ and $D_{s1}^+ \rightarrow \overline{B}^0 \ell^+ \nu$ . <i>Physical Review Letters</i> , <b>2019</b> , 123, 112001	7-4	8
484	Search for single production of vector-like quarks decaying into Wb in pp collisions at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	14
483	Search for top-quark decays $t \rightarrow Hq$ with 36 fb <sup>-1</sup> of pp collision data at ( $\sqrt{s}$ ) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	13
482	Measurement of VH, ( $\mathbf{H} \rightarrow \overline{b}b$ ) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5-4	8

481	Characterization of the prototype CMOS pixel sensor JadePix-1 for the CEPC vertex detector. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, C05023-C05023	1	3
480	Characterization of the first prototype CMOS pixel sensor developed for the CEPC vertex detector. <i>Radiation Detection Technology and Methods</i> , <b>2019</b> , 3, 1	0.7	4
479	Measurements of W and Z boson production in pp collisions at ( $\sqrt{s}=5.02$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	12
478	Performance of top-quark and ( $\text{varvec{W}}$ )-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	19
477	Measurements of inclusive and differential fiducial cross-sections of ( $\text{tbar}\{\text{t}\}\gamma$ ) production in leptonic final states at ( $\sqrt{s}=13\sim\text{TeV}$ ) in ATLAS. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
476	Evidence of a Resonant Structure in the $e^+e^-\rightarrow\mu^+D^0D^{*-}$ Cross Section between 4.05 and 4.60 GeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 102002	7.4	27
475	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P03017-P03017	1	25
474	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 58	4.2	20
473	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21
472	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
471	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	26
470	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at ( $\sqrt{s}$ ) = 13 and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
469	Measurement of the top quark mass in the ( $\text{tbar}\{\text{t}\}\rightarrow$ ) lepton+jets channel from ( $\sqrt{s}=8$ ) TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	24
468	Determination of the Pseudoscalar Decay Constant $f_{D_s^+}$ via $D_s^+\rightarrow\mu^+\mu^0$ <i>Physical Review Letters</i> , <b>2019</b> , 122, 071802	7.4	19
467	Search for pair production of Higgs bosons in the ( $\text{b}\overline{\text{b}}$ ) final state using proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
466	Development of MAPS-based detector ladders for the BESIII inner tracker upgrade. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 924, 287-292	1.2	2
465	Constraints on mediator-based dark matter and scalar dark energy models using ( $\sqrt{s}$ ) = 13 TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	31
464	Search for long-lived neutral particles in pp collisions at ( $\sqrt{s}$ ) = 13 TeV that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	18



463	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
462	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
461	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> , <b>2019</b> , 79, 1	4.2	20
460	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	18
459	Search for scalar resonances decaying into $\mu\mu$ events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
458	Search for diboson resonances in hadronic final states in 139 fb $^{-1}$ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
457	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13 \text{ TeV}$ with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	3
456	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $13 \text{ TeV}$ . <i>European Physical Journal C</i> , <b>2019</b> , 79,	4.2	11
455	Signal and pointing accuracy of ultraviolet laser in micro-pattern gaseous detector. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2019</b> , 68, 022901	0.6	
454	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	3
453	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> , <b>2019</b> , 2019, 1	5.4	2
452	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	14
451	Measurement of the top-quark mass in $(\overline{t}) + 1$ -jet events collected with the ATLAS detector in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	12
450	Measurement of fiducial and differential $(W^+W^-)$ production cross-sections at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
449	Measurement of ZZ production in the $\mu\mu$ final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
448	Measurement of $(W^{\pm})$ -boson and Z-boson production cross-sections in pp collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	2
447	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	4
446	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	21

445	Measurement of ( $W^{\pm} \mu \nu$ ) boson production in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
444	ATLAS b-jet identification performance and efficiency measurement with ( $t\bar{t}$ ) events in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	43
443	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ( $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	16
442	Measurements of top-quark pair differential and double-differential cross-sections in the ( $\ell\ell$ ) + jets channel with pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	13
441	Search for bottom-quark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
440	Study of the $D^0 \rightarrow K^+ \pi^-$ Dynamics and Test of Lepton Flavor Universality with $D^0 \rightarrow K^+ \pi^-$ Decays. <i>Physical Review Letters</i> , <b>2019</b> , 122, 011804	7.4	15
439	Development of a new high-speed readout system for SOI pixel detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 924, 480-484	1.2	1
438	Influence of energy bandwidth of pink beam on small angle X-ray scattering. <i>Radiation Detection Technology and Methods</i> , <b>2019</b> , 3, 1	0.7	
437	A prototype SOI pixel sensor for CEPC vertex. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2019</b> , 924, 409-416	1.2	0
436	Precision Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ Cross Section Near Threshold. <i>Physical Review Letters</i> , <b>2018</b> , 120, 132001	7.4	31
435	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb of pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	81
434	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at ( $\sqrt{s}=13$ ) TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
433	Measurement of the $Z$ -boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 110	4.2	59
432	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 102	4.2	7
431	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 154	4.2	23
430	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 142	4.2	35
429	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 171	4.2	35
428	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , <b>2018</b> , 78, 186	4.2	5

427	Search for heavy resonances in the and final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 293	4.2	41
426	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 250	4.2	28
425	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	26
424	Search for heavy resonances decaying into in the final state in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 24	4.2	47
423	Direct top-quark decay width measurement in the lepton+jets channel at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 129	4.2	11
422	Search for W W/W Z resonance production in $\bar{q}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
421	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	36
420	Performance evaluation of an SOI pixel sensor with in-pixel binary counters. <i>Radiation Detection Technology and Methods</i> , <b>2018</b> , 2, 1	0.7	2
419	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
418	Observation of $a_{\mu}(980)$ - $f_{\mu}(980)$ Mixing. <i>Physical Review Letters</i> , <b>2018</b> , 121, 022001	7.4	15
417	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 18	4.2	32
416	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 199	4.2	55
415	Measurement of polarisation in decays in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 163	4.2	3
414	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $\bar{q}q$ final states in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	17
413	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
412	Observation of the Semileptonic Decay $D^0 \rightarrow a_{\mu}(980)^+ e^+ \mu^-$ and Evidence for $D^+ \rightarrow a_{\mu}(980)^0 e^+ \mu^+$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 081802	7.4	21
411	Measurement of differential cross sections and $W^+/W^0$ cross-section ratios for W boson production in association with jets at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
410	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , $\sqrt{s}=8$ TeV) with the ATLAS detector <b>2018</b> , 78, 1		1

409	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ ,text {TeV}) <b>2018</b> , 78, 1		1
408	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 of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector <b>2018</b> , 2018, 1		1
407	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a\text{-}4b$ channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
406	Measurement of the ( $Z\gamma$ to $\nu$ overline{nu}gamma) production cross section in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
405	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 784	4.2	8
404	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1007	4.2	21
403	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 847	4.2	5
402	Angular analysis of $B^0 \rightarrow \mu^+ \mu^-$ decays in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	44
401	Measurement of the Branching Fraction For the Semileptonic Decay $D^{*0} \rightarrow \mu^+ \mu^- \pi^0$ and Test of Lepton Flavor Universality. <i>Physical Review Letters</i> , <b>2018</b> , 121, 171803	7.4	17
400	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 401	4.2	23
399	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
398	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ( $\sqrt{s}=13$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
397	Search for Higgs boson pair production in the ( $\gamma\gamma$ overline{b}b) final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
396	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	21
395	Measurement of the Absolute Branching Fraction of the Inclusive Semileptonic $\chi_{c^+}$ Decay. <i>Physical Review Letters</i> , <b>2018</b> , 121, 251801	7.4	7
394	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 997	4.2	21
393	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 903	4.2	66
392	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 995	4.2	49

391	Search for charged Higgs bosons decaying into top and bottom quarks at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	39
390	Operation and performance of the ATLAS Tile Calorimeter in Run I. <i>European Physical Journal C</i> , <b>2018</b> , 78, 987	4.2	13
389	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	28
388	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
387	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of ( $\sqrt{s}=13$ ) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
386	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	48
385	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
384	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in the $\tau$ -jets and $\tau$ -lepton final states with 36 fb <sup>-1</sup> of pp collision data recorded at ( $\sqrt{s}=13$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	33
383	Study of vertex optimization at the CEPC. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, T09002-T09002	1	0
382	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2018</b> , 78, 762	4.2	23
381	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	22
380	Search for exclusive Higgs and Z boson decays to $\tau^+\tau^-$ and $\tau^+\tau^-\nu_\tau$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
379	Measurements of b-jet tagging efficiency with the ATLAS detector using ( $\overline{t}$ ) events at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	31
378	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 487	4.2	5
377	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 565	4.2	34
376	Measurement of the Absolute Branching Fraction of the Inclusive Decay $B_c^+ \rightarrow X$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 062003	7.4	7
375	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2018</b> , 78, 625	4.2	15
374	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	101



373	Precision Study of $\tau \rightarrow \mu \nu \tau$ Decay Dynamics. <i>Physical Review Letters</i> , <b>2018</b> , 120, 242003	7.4	17
372	Measurement of the $[ \text{Formula: see text} ]$ and $[ \text{Formula: see text} ]$ production cross sections in multilepton final states using 3.2 fb $[ \text{Formula: see text} ]$ of $[ \text{Formula: see text} ]$ collisions at $[ \text{Formula: see text} ] = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 40	4.2	14
371	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 26	4.2	22
370	Amplitude Analysis of the Decays $\tau \rightarrow \mu \nu \tau$ and $\tau \rightarrow \mu \nu \tau$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 012001	7.4	25
369	Precise Measurement of the $e^+e^- \rightarrow \mu^+\mu^- J/\psi$ Cross Section at Center-of-Mass Energies from 3.77 to 4.60 GeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 092001	7.4	118
368	Evidence of Two Resonant Structures in $e^+e^- \rightarrow \mu^+\mu^- h_c$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 092002	7.4	96
367	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
366	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at $[ \text{Formula: see text} ]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 220	4.2	5
365	Measurement of the boson polarisation in $[ \text{Formula: see text} ]$ events from collisions at $[ \text{Formula: see text} ] = 8$ TeV in the lepton+ jets channel with ATLAS. <i>European Physical Journal C</i> , <b>2017</b> , 77, 264	4.2	19
364	A High Frame Rate Test System for the HEPs-BPIX Based on NI-sbRIO Board. <i>IEEE Transactions on Nuclear Science</i> , <b>2017</b> , 64, 1316-1319	1.7	4
363	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2017</b> , 77, 195	4.2	61
362	Measurements of top-quark pair differential cross-sections in the $[ \text{Formula: see text} ]$ channel in collisions at $[ \text{Formula: see text} ]$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 292	4.2	13
361	Performance of algorithms that reconstruct missing transverse momentum in $[ \text{Formula: see text} ] = 8$ TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 241	4.2	38
360	Measurement of the prompt $[ \text{Formula: see text} ]$ pair production cross-section in collisions at $[ \text{Formula: see text} ]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 76	4.2	47
359	Search for triboson $[ \text{Formula: see text} ]$ production in collisions at $[ \text{Formula: see text} ]$ $[ \text{Formula: see text} ]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 141	4.2	13
358	Observation of $\tau \rightarrow \mu \nu \tau$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 112001	7.4	19
357	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , <b>2017</b> , 77, 490	4.2	177
356	Fiducial, total and differential cross-section measurements of -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 531	4.2	27

355	Measurements of electroweak [Formula: see text] production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 474	4.2	14
354	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 466	4.2	42
353	HEPS-BPIX, a hybrid pixel detector system for the High Energy Photon Source in China. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C01041-C01041	1	9
352	Synchrotron beam test of a photon counting pixel prototype based on Double-SOI technology. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, C01037-C01037	1	1
351	Measurement of multi-particle azimuthal correlations in pp, p-Pb and low-multiplicity Pb-Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 428	4.2	48
350	Determination of the Spin and Parity of the $Z_c(3900)$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 072001	7.4	51
349	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	25
348	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 804	4.2	11
347	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> , <b>2017</b> , 2017, 1	5.4	7
346	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
345	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , <b>2017</b> , 77, 673	4.2	33
344	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 144	4.2	8
343	Measurement of the ZZ production cross section in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV using the $ZZ \rightarrow 4\ell$ and ( $ZZ \rightarrow \ell\ell^+\ell\ell^+\nu\overline{\nu}$ ) decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
342	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
341	Observation of $B(686) \rightarrow e^+e^-\mu\mu$ and $\mu\mu \rightarrow e^+e^-\mu\mu$ . <i>Physical Review Letters</i> , <b>2017</b> , 118, 221802	7.4	8
340	Measurements of $\Upsilon(2S)$ and $X(3872) \rightarrow \mu\mu$ production in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	15
339	Measurements of top-quark pair to Z-boson cross-section ratios at ( $\sqrt{s}=13$ ), 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
338	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 70	4.2	52

337	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , <b>2017</b> , 77, 317	4.2	272
336	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 332	4.2	29
335	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 361	4.2	26
334	Precision measurement and interpretation of inclusive , and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 367	4.2	56
333	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2017</b> , 77, 379	4.2	35
332	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 393	4.2	52
331	Measurement of charged-particle distributions sensitive to the underlying event in ( $\sqrt{s}=13$ ) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
330	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 898	4.2	19
329	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
328	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 765	4.2	10
327	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
326	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	13
325	Measurement of the inclusive jet cross-sections in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
324	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	27
323	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 580	4.2	16
322	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2017</b> , 77, 563	4.2	15
321	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ( $\sqrt{s}=13$ ) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
320	Searches for the Z decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ( $\sqrt{s}=13$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20

319	Studies of $Z\bar{t}$ production in association with a high-mass dijet system in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
318	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
317	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \bar{\nu}\nu$ in $(\sqrt{s}=13)$ TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
316	Study of $\gamma\gamma$ production in collisions at $\sqrt{s}=13$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2017</b> , 77, 646	4.2	11
315	Measurements of top quark spin observables in $(\overline{t})$ events using dilepton final states in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12
314	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
313	Top-quark mass measurement in the all-hadronic $(\overline{t})$ decay channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	6
312	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
311	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	30
310	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb <sup>-1</sup> of $(\sqrt{s}=13)$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	22
309	Search for pair production of heavy vector-like quarks decaying to high- $p_T$ W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29
308	Measurement of the $k_t$ splitting scales in $Z \rightarrow \tau\tau$ events in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
307	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
306	Evidence for the $(H \rightarrow \overline{b}b)$ decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	50
305	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	126
304	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2017</b> , 77, 872	4.2	19
303	Spatial resolution measurement of triple-GEM detector and diffraction imaging test at synchrotron radiation. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P04015-P04015	1	1
302	Two-dimensional imaging triple-GEM detector with resistive anode readout. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P10008-P10008	1	0

301	Observation of an Anomalous Line Shape of the $\Xi^{\prime 0}$ Mass Spectrum near the $pp$ Mass Threshold in $J/\psi$ Mass Spectrum near the $pp$ Mass Threshold in $J/\psi$ . <i>Physical Review Letters</i> , <b>2016</b> , 117, 042002	7.4	24
300	Measurement of Azimuthal Asymmetries in Inclusive Charged Dipion Production in $e^+e^-$ Annihilations at $\sqrt{s}=3.65$ GeV. <i>Physical Review Letters</i> , <b>2016</b> , 116, 042001	7.4	24
299	Measurements of Absolute Hadronic Branching Fractions of the $\Xi^+$ Baryon. <i>Physical Review Letters</i> , <b>2016</b> , 116, 052001	7.4	67
298	Observation of $h_c$ Radiative Decay $h_c \rightarrow \gamma$ and Evidence for $h_c$ . <i>Physical Review Letters</i> , <b>2016</b> , 116, 251802	7.4	6
297	Observation of the Singly Cabibbo-Suppressed Decay $D^+ \rightarrow \pi^+ \pi^0$ and Evidence for $D^0 \rightarrow \pi^0 \pi^0$ . <i>Physical Review Letters</i> , <b>2016</b> , 116, 082001	7.4	13
296	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 295	4.2	28
295	Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 581	4.2	148
294	Improved measurement of the absolute branching fraction of $(D^+ \rightarrow \bar{K}^0 \mu^+ \nu_{\mu})$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	19
293	Measurement of the charged-particle multiplicity inside jets from $pp$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 322	4.2	35
292	Measurement of jet activity in top quark events using the eFinal state with two b-tagged jets in $pp$ collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	4
291	Measurement of the transverse momentum and $p_T$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 291	4.2	63
290	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^*$ with the ATLAS detector at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
289	Search for new phenomena in events with a photon and missing transverse momentum in $pp$ collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
288	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $(\sqrt{s}=8)$ TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
287	Identification of high transverse momentum top quarks in $pp$ collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13
286	A search for an excited muon decaying to a muon and two jets in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2016</b> , 18, 073021	2.9	1
285	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , <b>2016</b> , 11, P05013-P05013	1	8
284	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 538	4.2	48



283	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 283	4.2	42
282	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 653	4.2	188
281	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 683	4.2	7
280	Addendum to Measurement of the ( $t\bar{t}$ ) production cross-section using ( $e\mu$ ) events with b-tagged jets in pp collisions at ( $\sqrt{s}$ ) = 7 and 8 ( $\text{TeV}$ ) with the ATLAS detector $\square$ <i>European Physical Journal C</i> , <b>2016</b> , 76, 1	4.2	13
279	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at ( $\sqrt{s}$ =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
278	Searches for heavy diboson resonances in pp collisions at ( $\sqrt{s}$ =13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	20
277	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in ( $\sqrt{s}$ =8) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
276	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> , <b>2016</b> , 2016, 1	5.4	16
275	Measurement of the CP-violating phase $\gamma_s$ and the $B^0_s$ meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	10
274	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] =13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 392	4.2	53
273	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at ( $\sqrt{s}$ =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	24
272	First results of a Double-SOI pixel chip for X-ray imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 831, 44-48	1.2	14
271	A search for prompt lepton-jets in pp collisions at ( $\sqrt{\text{mathrm{s}}}$ =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	22
270	Search for new phenomena with photon+jet events in proton-proton collisions at ( $\sqrt{s}$ =13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
269	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 199	4.2	39
268	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12
267	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at ( $\sqrt{s}$ =8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	14
266	Search for strong gravity in multijet final states produced in pp collisions at ( $\sqrt{s}$ =13) TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	12

265	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 154	4.2	44
264	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 210	4.2	53
263	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 232	4.2	12
262	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 238	4.2	6
261	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 259	4.2	48
260	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	45
259	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1-46	5.4	12
258	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 5	4.2	68
257	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , <b>2016</b> , 76, 6	4.2	185
256	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV Using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 11	4.2	21
255	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 4	4.2	13
254	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 45	4.2	152
253	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 55	4.2	28
252	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ( $\sqrt{s}=8, \text{ TeV}$ ) with the ATLAS detector <b>2016</b> , 76, 1		1
251	Study of hard double-parton scattering in four-jet events in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	21
250	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	8
249	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 375	4.2	5
248	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 403	4.2	19

247	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2016</b> , 76, 502	4.2	37
246	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 547	4.2	25
245	Search for minimal supersymmetric standard model Higgs Bosons $\tilde{H}$ and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 585	4.2	28
244	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , <b>2016</b> , 76, 666	4.2	53
243	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 670	4.2	7
242	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , <b>2016</b> , 76, 526	4.2	16
241	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 541	4.2	7
240	Search for the Higgs boson produced in association with a boson and decaying to four $\tau$ -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 605	4.2	16
239	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 292	4.2	263
238	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 658	4.2	26
237	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> , <b>2016</b> , 76, 565	4.2	20
236	Measurement of Singly Cabibbo Suppressed Decays $\bar{c}^+ \rightarrow \bar{u}^+ \bar{d}^-$ and $\bar{c}^+ \rightarrow \bar{u}^+ \bar{s}^-$ . <i>Physical Review Letters</i> , <b>2016</b> , 117, 232002	7.4	13
235	Measurement of the inclusive isolated prompt photon cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	25
234	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	59
233	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 12	4.2	16
232	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 87	4.2	18
231	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 81	4.2	7
230	Search for charged Higgs bosons in the $H \rightarrow \tau b$ decay channel in pp collisions at ( $\sqrt{s}=8$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	33

229	Study of the rare decays of $[B^0 \rightarrow \mu^+ \mu^-]$ and $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 513	4.2	27
228	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ 3 TeV $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 517	4.2	17
227	Search for resonances in diphoton events at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	49
226	HEPS-BPIX, a single photon counting pixel detector with a high frame rate for the HEPS project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 835, 169-176	1.2	9
225	Search for single production of vector-like quarks decaying into in collisions at $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2016</b> , 76, 442	4.2	24
224	Measurement of the relative width difference of the $(\overline{B}^0 \rightarrow D^+ D^-)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
223	Study of $e^+e^- \rightarrow \mu^+\mu^-$ at center of mass energies from 4.21 to 4.42 GeV. <i>Physical Review Letters</i> , <b>2015</b> , 114, 092003	7.4	81
222	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 17	4.2	194
221	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 79	4.2	21
220	Search for resonant diboson production in the $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ final state in $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ collisions at $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 69	4.2	62
219	Measurements of the $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 82	4.2	54
218	Search for dark matter in events with heavy quarks and missing transverse momentum in $[B^0 \rightarrow \mu^+ \mu^- \gamma]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 92	4.2	60
217	Measurement of the $(\overline{t})$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	14
216	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	12
215	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	29
214	Search for the $(\overline{b})$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	64
213	Measurement of the inclusive jet cross-section in proton-proton collisions at $(\sqrt{s}=7)$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	27
212	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $(\sqrt{s}=8)$ TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	45

211	Search for charged Higgs bosons decaying via $H \rightarrow \tau\tau$ in fully hadronic final states using pp collision data at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	56
210	Search for production of $[Formula: see text]$ resonances decaying to a lepton, neutrino and jets in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 209	4.2	73
209	Performance of the ATLAS muon trigger in pp collisions at $[Formula: see text]$ TeV. <i>European Physical Journal C</i> , <b>2015</b> , 75, 120	4.2	51
208	Search for Higgs boson pair production in the $[Formula: see text]$ final state from collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 412	4.2	66
207	Determination of spin and parity of the Higgs boson in the $[Formula: see text]$ decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 231	4.2	15
206	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 299	4.2	202
205	Search for a new resonance decaying to a $W$ or $Z$ boson and a Higgs boson in the $[Formula: see text]$ final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 263	4.2	46
204	Measurement of three-jet production cross-sections in $[Formula: see text]$ collisions at $7 \sqrt{[Formula: see text]}$ centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 228	4.2	18
203	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 335	4.2	56
202	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at $[Formula: see text]$ $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 303	4.2	49
201	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 476	4.2	104
200	Observation and measurements of the production of prompt and non-prompt $[Formula: see text]$ mesons in association with a $[Formula: see text]$ boson in $[Formula: see text]$ collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 229	4.2	38
199	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $[Formula: see text]$ in $[Formula: see text]$ collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 349	4.2	94
198	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $[Formula: see text]$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 318	4.2	44
197	Search for heavy long-lived multi-charged particles in collisions at $[Formula: see text]$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 362	4.2	22
196	Two-particle Bose-Einstein correlations in collisions at $[Formula: see text]$ 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 466	4.2	28
195	Measurement of the top quark mass in the $[Formula: see text]$ and $[Formula: see text]$ channels using $[Formula: see text]$ $[Formula: see text]$ ATLAS data. <i>European Physical Journal C</i> , <b>2015</b> , 75, 330	4.2	32
194	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , <b>2015</b> , 75, 510	4.2	109



193	Observation of the $\chi(3D2)$ State in $e^+e^- \rightarrow \chi(3D2)\gamma$ at BESIII. <i>Physical Review Letters</i> , <b>2015</b> , 115, 011803	7.4	33
192	Observation and Spin-Parity Determination of the $X(1835)$ in $J/\psi \rightarrow X(1835)\gamma$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 091803	7.4	19
191	Observation of a Neutral Charmoniumlike State $Z_c(4025)^0$ in $e^+e^- \rightarrow D^{(*)}D[\text{over } \bar{c}^*]^{(0)}$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 182002	7.4	45
190	Measurement of the Absolute Branching Fraction for $\chi_{c^+} \rightarrow \bar{c}^+ \gamma e$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 221805	7.4	46
189	Observation of a Neutral Structure near the $D\bar{D}[\text{over } \bar{c}^*]$ Mass Threshold in $e^+e^- \rightarrow D\bar{D}[\text{over } \bar{c}^*]^{(0)}$ at $\sqrt{s}=4.226$ and $4.257$ GeV. <i>Physical Review Letters</i> , <b>2015</b> , 115, 222002	7.4	50
188	Observation of $Z_c(3900)^0$ in $e^+e^- \rightarrow \gamma J/\psi$ . <i>Physical Review Letters</i> , <b>2015</b> , 115, 112003	7.4	75
187	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	2
186	A search for high-mass resonances decaying to $n$ pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	22
185	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	42
184	Search for lepton-flavour-violating $H \rightarrow \tau\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	46
183	Measurement of four-jet differential cross sections in ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-76	5.4	5
182	A search for ( $\bar{t}$ ) resonances using lepton-plus-jets events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	57
181	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	18
180	Measurement of charged-particle spectra in Pb+Pb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	49
179	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	91
178	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-39	5.4	66
177	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ( $\sqrt{s}=7$ ) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	31
176	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5.4	65

175	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	54
174	Search for new phenomena in events with three or more charged leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	16
173	Summary of the searches for squarks and gluinos using ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	55
172	Determination of the top-quark pole mass using ( $\overline{t}$ ) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	15
171	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> , <b>2015</b> , 2015, 1	5-4	16
170	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1-65	5-4	18
169	A high frame rate pixel readout chip design for synchrotron radiation applications <b>2015</b> ,		6
168	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	22
167	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	37
166	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	74
165	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	16
164	Search for [Formula: see text] decays in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 165	4-2	25
163	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 158	4-2	8
162	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 208	4-2	50
161	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W W^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1	5-4	14
160	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. <i>European Physical Journal C</i> , <b>2015</b> , 75, 407	4-2	18
159	Measurement of the production and lepton charge asymmetry of [Formula: see text] bosons in Pb+Pb collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2015</b> , 75, 23	4-2	31
158	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector <b>2015</b> , 75, 1		1

157	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at ( $\sqrt{s}=8\sim$ )TeV with the ATLAS detector <b>2015</b> , 75, 1		2
156	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector <b>2015</b> , 75, 1		3
155	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider <b>2015</b> , 75, 1		3
154	Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector <b>2015</b> , 2015, 1		3
153	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	24
152	Observation of a charged ( $DD^*$ ) <sup>±</sup> mass peak in $e^+e^- \rightarrow DD^*$ at $\sqrt{s} = 4.26$ GeV. <i>Physical Review Letters</i> , <b>2014</b> , 112, 022001	7-4	197
151	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at ( $\sqrt{s}=8$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	29
150	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2895	4-2	12
149	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2941	4-2	160
148	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4-2	18
147	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2982	4-2	18
146	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3023	4-2	46
145	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at ( $\sqrt{s}$ ) = 8 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	14
144	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in ( $\sqrt{s}$ ) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	76
143	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W$ boson in pp collisions at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	24
142	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	17
141	Measurement of the production of a W boson in association with a charm quark in pp collisions at ( $\sqrt{s}$ ) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	37
140	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at ( $\sqrt{s}$ ) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5-4	120

139	Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	39
138	Measurement of the low-mass Drell-Yan differential cross section at $(\sqrt{s}) = 7$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	18
137	Search for direct top-squark pair production in final states with two leptons in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	52
136	Measurement of $\tau_1$ and $\tau_2$ production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
135	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	6
134	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	40
133	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2883	4.2	41
132	A new inner drift chamber for BESIII MDC. <i>International Journal of Modern Physics Conference Series</i> , <b>2014</b> , 31, 1460309	0.7	0
131	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	67
130	Prototype of a large neutron detector based on MWPC. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2014</b> , 57, 2049-2053	3.6	2
129	Investigation of GEM-Micromegas detector on X-ray beam of synchrotron radiation. <i>Chinese Physics C</i> , <b>2014</b> , 38, 046001	2.2	1
128	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3130	4.2	166
127	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in [Formula: see text] collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3117	4.2	17
126	A measurement of the ratio of the production cross sections for [Formula: see text] and [Formula: see text] bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3168	4.2	16
125	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $(\sqrt{s}=8)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	30
124	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of $(\sqrt{s}) = 8$ TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	9
123	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $(\sqrt{s}=8)$ TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	108
122	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> , <b>2014</b> , 74, 3109	4.2	107

121	Observation of $\chi_{c0}$ and $\chi_{c1}$ . <i>Physical Review Letters</i> , <b>2014</b> , 112, 251801	7.4	17
120	Observation of $e^+e^-\rightarrow\psi(3700)hc$ and a neutral charmoniumlike structure $Z_c(4020)(0)$ . <i>Physical Review Letters</i> , <b>2014</b> , 113, 212002	7.4	88
119	Observation of a charged charmoniumlike structure in $e^+e^-\rightarrow(D^*D^*)\mu\mu$ at $\sqrt{s} = 4.26$ GeV. <i>Physical Review Letters</i> , <b>2014</b> , 112, 132001	7.4	186
118	Observation of $e^+e^-\rightarrow\chi(3872)$ at BESIII. <i>Physical Review Letters</i> , <b>2014</b> , 112, 092001	7.4	111
117	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	54
116	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> , <b>2014</b> , 74, 3034	4.2	45
115	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , <b>2014</b> , 74, 1	4.2	160
114	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3134	4.2	31
113	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3157	4.2	52
112	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in $\sqrt{s} = 7$ TeV collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3195	4.2	21
111	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	36
110	Measurement of the production cross-section of $(D_S) \rightarrow J/\psi + D^* + D^*$ in pp collisions at $(\sqrt{s}) = 7$ TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	16
109	Measurement of the Z/ $\gamma$ boson transverse momentum distribution in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	79
108	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	31
107	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	26
106	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	38
105	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1	5.4	29
104	Measurement of the $(\overline{t})$ production cross-section using $(e\mu)$ events with (b)-tagged jets in (pp) collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector <b>2014</b> , 74, 1		2



103	Measurement of the production cross section of jets in association with a Z boson in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	50
102	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	34
101	Search for third generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	30
100	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	124
99	Measurement of ZZ production in pp collisions at ( $\sqrt{s}=7$ ) TeV and limits on anomalous ZZZ and ZZ $\gamma$ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	45
98	Search for charged Higgs bosons through the violation of lepton universality in ( $\overline{t}$ ) events using pp collision data at ( $\sqrt{s}=7$ ) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	14
97	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	47
96	Measurement of splitting scales in $\gamma$ -events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2432	4-2	8
95	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2465	4-2	76
94	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in ( $\sqrt{s}=8$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	92
93	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at ( $\sqrt{s}=8$ ) TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	64
92	Measurement of the differential cross-section of B + meson production in pp collisions at ( $\sqrt{s}=7$ ) TeV at ATLAS. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	24
91	Performance of jet substructure techniques for large-R jets in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5-4	43
90	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2518	4-2	276
89	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2509	4-2	71
88	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2362	4-2	25
87	Jet energy measurement with the ATLAS detector in proton-proton collisions at ( $\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4-2	209
86	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2676	4-2	18

85	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ( $\sqrt{s_{NN}}$ ) = 2.76 TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	143
84	Measurement of the top quark charge in pp collisions at ( $\sqrt{s}=7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
83	Observation of a charged charmoniumlike structure Zc(4020) and search for the Zc(3900) in $e^+e^- \rightarrow \mu^+\mu^- \gamma$ . <i>Physical Review Letters</i> , <b>2013</b> , 111, 242001	7.4	289
82	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	72
81	Measurement of isolated-photon pair production in pp collisions at ( $\sqrt{s}=7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	44
80	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	55
79	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at ( $\sqrt{s}=7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1	5.4	15
78	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ( $\sqrt{s} = 7$ mTeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	55
77	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ( $\sqrt{s} = 7$ mTeV). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	44
76	Measurement of the flavour composition of dijet events in pp collisions at ( $\sqrt{s}=7$ mTeV) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	12
75	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1	4.2	41
74	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2306	4.2	153
73	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2328	4.2	30
72	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , <b>2013</b> , 15, 043009	2.9	15
71	Study of 2D interpolating readout for a micro-pattern gaseous detector. <i>Chinese Physics C</i> , <b>2013</b> , 37, 026002	2.2	1
70	Reconstruction algorithm study of 2D interpolating resistive readout structure. <i>Chinese Physics C</i> , <b>2013</b> , 37, 106002	2.2	1
69	Beam test of a one-dimensional position sensitive chamber on synchrotron radiation. <i>Chinese Physics C</i> , <b>2013</b> , 37, 108001	2.2	1
68	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	14

67	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
66	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2039	4.2	78
65	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2040	4.2	10
64	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2046	4.2	42
63	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2056	4.2	78
62	Measurement of polarization in $\tau$ -decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2062	4.2	17
61	Measurement of the cross section for top-quark pair production in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	43
60	Jet mass and substructure of inclusive jets in ( $\sqrt{s} = 7 \text{ TeV}$ ) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	67
59	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	10
58	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of ( $\sqrt{s} = 7 \text{ TeV}$ ) proton-proton collisions. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	48
57	A search for ( $\overline{t}t$ ) resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	39
56	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in ( $\sqrt{s} = 7 \text{ TeV}$ ) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	37
55	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	31
54	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with ATLAS. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	11
53	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	53
52	Search for high-mass resonances decaying to dilepton final states in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	49
51	Search for anomalous production of prompt like-sign lepton pairs at ( $\sqrt{s} = 7 \text{ TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	16
50	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ( $\sqrt{s} = 7 \text{ TeV}$ ) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	45

49	Search for R-parity-violating supersymmetry in events with four or more leptons in ( $\sqrt{s}=7\text{TeV}$ ) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	13
48	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	199
47	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	70
46	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
45	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2043	4.2	82
44	A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2083	4.2	14
43	Search for second generation scalar leptoquarks in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	35
42	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	13
41	Measurement of $W \mp Z$ production in proton-proton collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	54
40	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	24
39	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> , <b>2012</b> , 72, 1	4.2	18
38	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	11
37	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ( $\sqrt{s}=7\text{TeV}$ ) proton-proton collisions. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	31
36	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	34
35	Search for doubly charged Higgs bosons in like-sign dilepton final states at ( $\sqrt{s} = 7\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	104
34	Performance of missing transverse momentum reconstruction in proton-proton collisions at ( $\sqrt{s} = 7\text{TeV}$ ) with ATLAS. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	217
33	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1	4.2	232
32	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5.4	34

31	Search for charged Higgs bosons decaying via $H \rightarrow \tau\tau$ (overline $\tau$ ) events using pp collision data at ( $\sqrt{s} = 7$ ;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	112
30	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	52
29	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1	5-4	23
28	Study of measuring methods on spatial resolution of a GEM imaging detector. <i>Chinese Physics C</i> , <b>2012</b> , 36, 228-234	2.2	6
27	Study of a bulk-Micromegas with a resistive anode. <i>Chinese Physics C</i> , <b>2012</b> , 36, 851-854	2.2	
26	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	103
25	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	138
24	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	16
23	Luminosity determination in pp collisions at ( $\sqrt{s} = 7$ ) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	167
22	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ( $\sqrt{s}=900$ ) GeV and ( $\sqrt{s}=7$ ) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	30
21	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ( $\sqrt{s}=7$ ) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	18
20	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ( $\sqrt{s}=7$ ~mbox{TeV}) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	41
19	Limits on the production of the standard model Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	37
18	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	15
17	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	44
16	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	51
15	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb <sup>-1</sup> of ATLAS data. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	13
14	Search for massive colored scalars in four-jet final states in ( $\sqrt{s}=7$ ~mbox{TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4-2	37



13	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ) with the ATLAS detector. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1	4.2	53
12	Measurement of W and Z production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	11
11	Inclusive search for same-sign dilepton signatures in pp collisions at ( $\sqrt{s} = 7$ ) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	31
10	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using ( $\sqrt{s} = 7$ ) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1	5.4	60
9	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , <b>2010</b> , 70, 823-874	4.2	817
8	Search for neutral Higgs bosons decaying into four taus at LEP2. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	43
7	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1	5.4	14
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5	Fermion pair production in e+e- collisions at 189 GeV and constraints on physics beyond the standard model. <i>European Physical Journal C</i> , <b>2007</b> , 49, 411-437	4.2	44
4	Search for Higgs bosons decaying to WW in e+e- collisions at LEP. <i>European Physical Journal C</i> , <b>2007</b> , 49, 439	4.2	4
3	Test of colour reconnection models using three-jet events in hadronic Z decays. <i>European Physical Journal C</i> , <b>2006</b> , 48, 685	4.2	7
2	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , <b>2006</b> , 47, 547	4.2	496
1	Measurement of the W boson mass and width in e+e- collisions at LEP. <i>European Physical Journal C</i> , <b>2006</b> , 47, 309-335	4.2	31