

Orhan akir

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.

781
papers

23,374
citations

68
h-index

115
g-index

820
ext. papers

28,142
ext. citations

4.6
avg. IF

3.95
L-index

#	Paper	IF	Citations
781	Performance of the ATLAS Level-1 topological trigger in Run2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
780	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
779	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 $13\sqrt{s}$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
778	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
777	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
776	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \tau^{\pm} \rightarrow \pi^{\pm} \nu_{\tau} \nu_{\tau}$ events in Run2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
775	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	
774	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
773	The Large Hadron Electron Collider at the HL-LHC. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021 , 48, 110501	2.9	3
772	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using ($\sqrt{s} = 13$ TeV) proton-proton collision data. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
771	Measurement of the $t(\bar{t})t(\bar{t})$ production cross section in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
770	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
769	Single production of vectorlike Y quarks at the HL-LHC. <i>Nuclear Physics B</i> , 2021 , 973, 115580	2.8	
768	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13$, TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
767	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb ⁻¹ of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
766	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
765	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at ($\sqrt{s} = 13$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6

764	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
763	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
762	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
761	Search for heavy resonances decaying into a pair of Z bosons in the $(e^+e^- \rightarrow e^+e^- \gamma^* \gamma^* \rightarrow e^+e^- \nu \bar{\nu})$ final states using 139 fb ⁻¹ of proton-proton collisions at $(\sqrt{s} = 13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
760	Search for new phenomena in final states with b-jets and missing transverse momentum in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
759	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $(e^+e^- \rightarrow b\bar{b})$ and $(e^+e^- \rightarrow W^+W^-)$ final states in pp collisions at $(\sqrt{s}=13)$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
758	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
757	Measurements of $W+W$ jet production cross-sections in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
756	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
755	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> , 2021 , 81, 1	4.2	0
754	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
753	Investigation of charged Higgs boson in the bottom and top quark decay channel at the FCC-hh. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 818, 136375	4.2	
752	Search for supersymmetry in events with four or more charged leptons in 139 fb ⁻¹ of $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
751	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
750	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
749	A search for the decays of stopped long-lived particles at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
748	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	13
747	Measurement of hadronic event shapes in high-p _T multijet final states at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3

746	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of (\sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
745	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
744	Measurements of WH and ZH production in the ($H \rightarrow b\bar{b}$) decay channel in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
743	Search for dark matter in association with an energetic photon in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
742	CutLang as an analysis description language for introducing students to analyses in particle physics. <i>European Journal of Physics</i> , 2021 , 42, 035802	0.8	1
741	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
740	Measurement of single top-quark production in association with a W boson in the single-lepton channel at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
739	Jet energy scale and resolution measured in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	11
738	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
737	Search for dark matter produced in association with a single top quark in (\sqrt{s}) = 13 TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4
736	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at (\sqrt{s}) = 13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
735	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
734	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
733	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
732	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at (\sqrt{s}) = 13 TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
731	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in (\sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
730	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
729	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K$ in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0

728	Higgs boson production cross-section measurements and their EFT interpretation in the $(4\ell\ell)$ decay channel at $(\sqrt{s})=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12
727	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
726	The projections on $ZZ\gamma$ and $Z\gamma\gamma$ couplings via $\gamma\gamma$ production in HL-LHC and HE-LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135255	4.2	4
725	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb $^{-1}$ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
724	Search for dijet resonances in events with an isolated charged lepton using $(\sqrt{s}) = 13$ TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
723	Measurement of the $Z(\rightarrow\mu\mu)\gamma$ production cross-section in pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
722	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $(\sqrt{s})=8$ and 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
721	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> , 2020 , 80, 1	4.2	7
720	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
719	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $(\sqrt{s})=13$ (text {TeV}) pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	50
718	Search for top squarks in events with a Higgs or Z boson using 139 fb $^{-1}$ of pp collision data at $(\sqrt{s})=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
717	Evidence for $(\bar{t}t)$ production in the multilepton final state in proton-proton collisions at $(\sqrt{s})=13$ (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
716	Search for heavy diboson resonances in semileptonic final states in pp collisions at $(\sqrt{s})=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
715	Search for light long-lived neutral particles produced in pp collisions at $(\sqrt{s}) = 13\text{-}\text{TeV}$ and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
714	Search for a scalar partner of the top quark in the all-hadronic $(\bar{t}t)$ plus missing transverse momentum final state at $(\sqrt{s})=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	17
713	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
712	Determination of jet calibration and energy resolution in proton-proton collisions at $(\sqrt{s}) = 8\text{-}\text{TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
711	Measurement of J/ψ production in association with a $W\gamma$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4

710	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	20
709	Search for (\overline{t}) resonances in fully hadronic final states in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	6
708	Reconstruction and identification of boosted di- τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	3
707	Measurements of inclusive and differential cross-sections of combined ($\overline{t}\gamma$) and tW production in the $e\tau$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
706	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	8
705	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	9
704	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4(\ell\ell)$ decay channel at (\sqrt{s}) = 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	9
703	Fluctuations of anisotropic flow in Pb+Pb collisions at ($\sqrt{\langle\mathbf{s}\rangle_{\langle\mathbf{NN}\rangle}}$) = 5.02 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	13
702	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at (\sqrt{s})=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	13
701	Measurement of differential cross sections for single diffractive dissociation in (\sqrt{s}) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
700	Measurement of isolated-photon plus two-jet production in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	2
699	Heterogeneous magnetism and kinetic arrest in antiperovskite Mn ₃ Ni _x GaC compounds with Ni ₂ MnGa Heusler insertions. <i>Physical Review B</i> , 2020 , 102,	3-3	2
698	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
697	Search for the $HH \rightarrow \overline{b}b$ process via vector-boson fusion production using proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
696	Observation of the associated production of a top quark and a Z boson in pp collisions at (\sqrt{s})= 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	5
695	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at (\sqrt{s})=13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	7
694	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
693	Measurements of top-quark pair spin correlations in the ($e\mu$) channel at (\sqrt{s}) = 13 TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4-2	8

692	Sensitivity on anomalous neutral triple gauge couplings via ZZ production at FCC-hh. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
691	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at ($\sqrt{s}=8\text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	11
690	Evidence for the decays of $\{\{\Lambda^+_{c1}\to\Sigma^+\eta\}\}$ and $\{\{\Sigma^+\eta'\}\}$. <i>Chinese Physics C</i> , 2019 , 43, 083002	2.2	6
689	Observation of the W-annihilation decay $Ds^+\to\mu^+\nu_\mu$ and evidence for $Ds^+\to\tau^+\nu_\tau$. <i>Physical Review D</i> , 2019 , 99,	4.9	3
688	Top quark anomalous FCNC production via tqg couplings at an FCC-hh. <i>Physical Review D</i> , 2019 , 99,	4.9	4
687	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
686	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> , 2019 , 79, 1	4.2	37
685	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	2
684	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> , 2019 , 79, 1	4.2	15
683	Study of the Dalitz decay $J/\psi\to e^+e^-$. <i>Physical Review D</i> , 2019 , 99,	4.9	5
682	FCC Physics Opportunities. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	174
681	Search for single production of vector-like quarks decaying into Wb in pp collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	14
680	Search for top-quark decays $t\to Hq$ with 36 fb ⁻¹ of pp collision data at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
679	Measurement of VH , ($\text{H}\to\text{b}\overline{\text{b}}$) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
678	Probing top quark FCNC $tq\bar{b}$ and tqZ couplings at future electron-proton colliders. <i>Nuclear Physics B</i> , 2019 , 944, 114640	2.8	5
677	Precision measurements of the $e^+e^-\to S^0K^0K^0$ Born cross sections at center-of-mass energies between 3.8 and 4.6 GeV. <i>Physical Review D</i> , 2019 , 99,	4.9	1
676	Measurements of W and Z boson production in pp collisions at (\sqrt{s})=5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	12
675	Performance of top-quark and (W)-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19

674	Measurements of inclusive and differential fiducial cross-sections of $(\bar{t}\gamma)$ production in leptonic final states at $(\sqrt{s}=13\text{ TeV})$ in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
673	Search for baryon and lepton number violation in $J/\psi \rightarrow e^+e^-c.c.$. <i>Physical Review D</i> , 2019 , 99,	4.9	2
672	Evidence of a Resonant Structure in the $e^+e^- \rightarrow \mu^+\mu^- D^0 D^{*-}$ Cross Section between 4.05 and 4.60 GeV. <i>Physical Review Letters</i> , 2019 , 122, 102002	7.4	27
671	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P03017-P03017	1	25
670	Observation of $(B_{686}) \rightarrow p\bar{p}$ and improved measurement of $J/\psi \rightarrow p\bar{p}$. <i>Physical Review D</i> , 2019 , 99,	4.9	2
669	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 58	4.2	20
668	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
667	Probing anomalous $(tq\gamma)$ and tqg couplings via single top production in association with photon at FCC-hh. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
666	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
665	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	26
664	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $(\sqrt{s}) = 13$ and 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
663	Measurement of the top quark mass in the $(\bar{t}\gamma)$ lepton+jets channel from $(\sqrt{s}=8)$ TeV ATLAS data and combination with previous results. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	24
662	Measurement of the phase between strong and electromagnetic amplitudes of J/ψ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 375-384	4.2	2
661	Determination of the Pseudoscalar Decay Constant $f_{D_s^+}$ via $D_s^+ \rightarrow \mu^+\mu^-$. <i>Physical Review Letters</i> , 2019 , 122, 071802	7.4	19
660	Search for pair production of Higgs bosons in the $(\bar{b}b)$ final state using proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31
659	Observation of $D_{s^+} \rightarrow p\bar{n}$ and confirmation of its large branching fraction. <i>Physical Review D</i> , 2019 , 99,	4.9	2
658	Observation of OZI-suppressed decays $\psi \rightarrow J/\psi \pi$. <i>Physical Review D</i> , 2019 , 99,	4.9	1
657	Constraints on mediator-based dark matter and scalar dark energy models using $(\sqrt{s}) = 13$ TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31

656	Observation and study of the decay $J/\psi \rightarrow \mu^+\mu^-$. <i>Physical Review D</i> , 2019 , 99,	4.9	7
655	Search for long-lived neutral particles in pp collisions at $(\sqrt{s}) = 13 \sim \text{TeV}$ that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	18
654	Search for heavy Majorana neutrino in lepton number violating decays of $D^* \rightarrow K^0 e^+ e^-$. <i>Physical Review D</i> , 2019 , 99,	4.9	3
653	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $(\sqrt{s}) = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
652	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
651	Measurement of $(W^{\pm}Z)$ production cross sections and gauge boson polarisation in pp collisions at $(\sqrt{s}) = 13 \sim \text{TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	20
650	FCC-hh: The Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 755-1107	2.3	196
649	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13 \text{ TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
648	Search for scalar resonances decaying into $\mu^+\mu^-$ events with and without b-tagged jets produced in proton-proton collisions at $(\sqrt{s}) = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
647	HE-LHC: The High-Energy Large Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 1109-1382	2.3	72
646	FCC-ee: The Lepton Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 261-623	2.3	193
645	Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $(\sqrt{s}) = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
644	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13 \sim \text{TeV}$ with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , 2019 , 79,	4.2	3
643	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $13 \sim \text{TeV}$. <i>European Physical Journal C</i> , 2019 , 79,	4.2	11
642	Measurement of K_S^0 and Λ^0 production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	3
641	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13 \text{ TeV}$ using 36 fb^{-1} of ATLAS data. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
640	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	14
639	Search for a strangeonium-like structure Z_s decaying into $\mu^+\mu^-$ and a measurement of the cross section $e^+e^- \rightarrow Z_s$. <i>Physical Review D</i> , 2019 , 99,	4.9	5

638	Measurement of $B(J/\psi \rightarrow e^+e^-)$ and search for a dark photon. <i>Physical Review D</i> , 2019 , 99,	4.9	8
637	Observation of $e^+e^- \rightarrow \psi(2175)$ at center-of-mass energies above 3.7 GeV. <i>Physical Review D</i> , 2019 , 99,	4.9	10
636	Measurement of $e^+e^- \rightarrow K^+K^-$ cross section at $\sqrt{s}=2.00 \text{--} 2.08$ GeV. <i>Physical Review D</i> , 2019 , 99,	4.9	28
635	Measurements of the absolute branching fractions and CP asymmetries for $D^+ \rightarrow K^0 K^+ (0)$. <i>Physical Review D</i> , 2019 , 99,	4.9	2
634	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> , 2019 , 2019, 1	5.4	12
633	Measurement of fiducial and differential (W^+W^-) production cross-sections at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
632	Measurement of ZZ production in the final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
631	Measurement of (W^{\pm}) -boson and Z-boson production cross-sections in pp collisions at $(\sqrt{s}=2.76)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	2
630	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
629	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
628	Measurement of (W^{\pm}) boson production in Pb+Pb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02 \text{--} 5.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
627	ATLAS b-jet identification performance and efficiency measurement with (\bar{t}) events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	43
626	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $(\sqrt{s_{\text{NN}}}) = 5.02 \text{--} 5.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
625	Measurements of top-quark pair differential and double-differential cross-sections in the $(\ell\ell) + \text{jets}$ channel with pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	13
624	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
623	Study of the $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ Dynamics and Test of Lepton Flavor Universality with $D^0 \rightarrow K^+ K^- \ell^+ \ell^-$ Decays. <i>Physical Review Letters</i> , 2019 , 122, 011804	7.4	15
622	Observation of a cross-section enhancement near mass threshold in $e^+e^- \rightarrow \psi(2175)$. <i>Physical Review D</i> , 2018 , 97,	4.9	27
621	Measurement of the matrix elements for the decays $\psi(2175) \rightarrow e^+e^- \psi(2175)$ and $\psi(2175) \rightarrow \mu^+\mu^- \psi(2175)$. <i>Physical Review D</i> , 2018 , 97,	4.9	6

620	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ and $\tau^+\tau^-$ at $s=4.600$ GeV. <i>Physical Review D</i> , 2018 , 97,	4.9	5
619	Measurement of $e^+e^- \rightarrow K^+K^-/\pi^+\pi^-$ cross sections at center-of-mass energies from 4.189 to 4.600 GeV. <i>Physical Review D</i> , 2018 , 97,	4.9	8
618	Precision Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ Cross Section Near Threshold. <i>Physical Review Letters</i> , 2018 , 120, 132001	7.4	31
617	Measurements of absolute branching fractions for D mesons decays into two pseudoscalar mesons. <i>Physical Review D</i> , 2018 , 97,	4.9	7
616	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb $^{-1}$ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
615	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at ($\sqrt{s}=13$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	10
614	Measurements of the branching fractions for the semileptonic decays $D_{s^*} \rightarrow \tau^+e^-B$, $D_{s^*} \rightarrow \tau^+\mu^-B$ and $D_{s^*} \rightarrow \tau^+e^-B$. <i>Physical Review D</i> , 2018 , 97,	4.9	12
613	Measurement of the Z-boson mass in pp collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
612	Search for new phenomena in high-mass final states with a photon and a jet from collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 102	4.2	7
611	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> , 2018 , 78, 154	4.2	23
610	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 142	4.2	35
609	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 171	4.2	35
608	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. <i>European Physical Journal C</i> , 2018 , 78, 186	4.2	5
607	Search for heavy resonances in the WZ and $W\gamma$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
606	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 250	4.2	28
605	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb $^{-1}$ of ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	26
604	Search for heavy resonances decaying into WZ in the WZ final state in collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 24	4.2	47
603	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 129	4.2	11

602	Search for $W W/W Z$ resonance production in $b\bar{q}$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	22
601	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	36
600	Improved measurements of $B \rightarrow \mu\mu$ and $B \rightarrow \mu\tau$ decays. <i>Physical Review D</i> , 2018 , 97,	4-9	1
599	Measurement of the absolute branching fraction of $D_{s0}^*(2317) \rightarrow B D_s$. <i>Physical Review D</i> , 2018 , 97,	4-9	3
598	Study of $\Upsilon(1475)$ and $X(1835)$ in radiative J/ψ decays to η . <i>Physical Review D</i> , 2018 , 97,	4-9	5
597	Measurement of $e^+e^- \rightarrow \eta(3686)$ at \sqrt{s} from 4.009 to 4.600 GeV and observation of a neutral charmoniumlike structure. <i>Physical Review D</i> , 2018 , 97,	4-9	5
596	Measurements of the branching fractions of the singly Cabibbo-suppressed decays $D_0 \rightarrow \rho(\pi)\pi$ and $\rho(\pi)\pi$. <i>Physical Review D</i> , 2018 , 97,	4-9	1
595	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	12
594	Observation of $a_{0}^{+}(980)$ - $f_{0}(980)$ Mixing. <i>Physical Review Letters</i> , 2018 , 121, 022001	7-4	15
593	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 18	4-2	32
592	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> , 2018 , 78, 199	4-2	55
591	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4-2	3
590	Searches for heavy ZZ and ZW resonances in the $b\bar{q}$ and $\bar{b}q$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	17
589	Determination of the number of $\psi(3686)$ events at BESIII. <i>Chinese Physics C</i> , 2018 , 42, 023001	2-2	21
588	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> , 2018 , 2018, 1	5-4	23
587	Measurement of singly Cabibbo-suppressed decays $D_0 \rightarrow \rho\pi\pi$, $\rho\pi\pi\pi$ and $\rho\pi\pi\pi$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 368-375	4-2	1
586	Search for the rare decay of $\psi(3686) \rightarrow p\bar{p}e^+e^-$ c.c. at BESIII. <i>Physical Review D</i> , 2018 , 97,	4-9	2
585	Study of the decays $D^+ \rightarrow \rho^+ e^+ \bar{\nu}_e$. <i>Physical Review D</i> , 2018 , 97,	4-9	8

584	Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
583	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow \gamma\gamma$ channel in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
582	Measurement of the ($Z \rightarrow \nu\bar{\nu}$) production cross section in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	6
581	Prompt and non-prompt elliptic flow in Pb+Pb collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 784	4-2	8
580	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 1007	4-2	21
579	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. <i>European Physical Journal C</i> , 2018 , 78, 847	4-2	5
578	Angular analysis of $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	44
577	Measurement of the Branching Fraction For the Semileptonic Decay $D^{*0} \rightarrow B^0 \ell^+ \bar{\nu}_\ell$ and Test of Lepton Flavor Universality. <i>Physical Review Letters</i> , 2018 , 121, 171803	7-4	17
576	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> , 2018 , 78, 401	4-2	23
575	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	15
574	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
573	Search for Higgs boson pair production in the ($\gamma\gamma b\bar{b}$) final state with 13 TeV pp collision data collected by the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	23
572	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	21
571	Measurement of the Absolute Branching Fraction of the Inclusive Semileptonic $B_c^+ \rightarrow \ell^+ \bar{\nu}_\ell$ Decay. <i>Physical Review Letters</i> , 2018 , 121, 251801	7-4	7
570	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 997	4-2	21
569	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 903	4-2	66
568	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 995	4-2	49
567	Search for charged Higgs bosons decaying into top and bottom quarks at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	39

566	Operation and performance of the ATLAS Tile Calorimeter in Run 1. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
565	Observation of $h(1380)$ in the $J/\psi \rightarrow \psi(3770)$ decay. <i>Physical Review D</i> , 2018 , 98,	4.9	9
564	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
563	Measurement of $e + e \rightarrow \psi(3770)$ cross sections at the $\psi(3770)$ resonance. <i>Chinese Physics C</i> , 2018 , 42, 083001	2.2	8
562	Search for pair production of heavy vector-like quarks decaying into high- p_T W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
561	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
560	Search for long-lived charginos based on a disappearing-track signature in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	48
559	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	9
558	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \tau \nu_{\tau}$ in the τ -jets and τ -lepton final states with 36 fb ⁻¹ of pp collision data recorded at ($\sqrt{s}=13$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	33
557	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 762	4.2	23
556	Amplitude analysis of the $K_S K_S$ system produced in radiative J/ψ decays. <i>Physical Review D</i> , 2018 , 98,	4.9	10
555	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
554	Search for exclusive Higgs and Z boson decays to $\tau \nu_{\tau}$ and $\tau \nu_{\tau}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
553	Measurements of b-jet tagging efficiency with the ATLAS detector using ($\tau \rightarrow \mu \nu_{\tau}$) events at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	31
552	Search for flavour-changing neutral current top-quark decays $t \rightarrow q Z$ in proton-proton collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
551	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 487	4.2	5
550	Probing the effects of dimension-eight operators describing anomalous neutral triple gauge boson interactions at FCC-hh. <i>Nuclear Physics B</i> , 2018 , 935, 365-376	2.8	12
549	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> , 2018 , 78, 565	4.2	34

548	Measurement of the integrated Luminosities of cross-section scan data samples around the $\psi(3770)$ mass region. <i>Chinese Physics C</i> , 2018 , 42, 063001	2.2	2
547	Observation of $B_{s1} \rightarrow \mu^+ \mu^-$ and improved measurement of $B_{s1} \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. <i>Physical Review D</i> , 2018 , 98,	4.9	5
546	First measurement of $e^+e^- \rightarrow K_S^0 n \bar{K}^0 c.c.$ above open charm threshold. <i>Physical Review D</i> , 2018 , 98,	4.9	2
545	Measurement of the Absolute Branching Fraction of the Inclusive Decay $\chi_{c1} \rightarrow \mu^+ \mu^- X$. <i>Physical Review Letters</i> , 2018 , 121, 062003	7.4	7
544	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 625	4.2	15
543	Study of two-photon decays of pseudoscalar mesons via J/ψ radiative decays. <i>Physical Review D</i> , 2018 , 97,	4.9	1
542	Search for the rare decays $D \rightarrow h(h') e^+ e^-$. <i>Physical Review D</i> , 2018 , 97,	4.9	7
541	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	101
540	Observation of $B_{s1} \rightarrow \mu^+ e^- \mu^+ e^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 452-458	4.2	3
539	Measurements of absolute branching fractions for $B^+ \rightarrow \bar{B}^0 K^+$ and $D^0 \rightarrow \bar{D}^+ K^+$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 200-206	4.2	13
538	Precision Study of $B^0 \rightarrow \mu^+ \mu^-$ Decay Dynamics. <i>Physical Review Letters</i> , 2018 , 120, 242003	7.4	17
537	Measurements of the branching fractions for $D^+ \rightarrow K_S^0 K^0 K^+$, $K_S^0 K_S^0 \mu^+$ and $D^0 \rightarrow K_S^0 K_S^0$, $K_S^0 K_S^0 K_S^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 765, 231-237	4.2	3
536	Measurement of the $[B \rightarrow \mu^+ \mu^-]$ and $[B \rightarrow \mu^+ \mu^- \mu^+ \mu^-]$ production cross sections in multilepton final states using 3.2 fb of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
535	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 26	4.2	22
534	Amplitude Analysis of the Decays $B^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ and $B^0 \rightarrow \mu^+ \mu^- \mu^+ \mu^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2017 , 118, 012001	7.4	25
533	Precise Measurement of the $e^+e^- \rightarrow \mu^+ \mu^- J/\psi$ Cross Section at Center-of-Mass Energies from 3.77 to 4.60 TeV. <i>Physical Review Letters</i> , 2017 , 118, 092001	7.4	118
532	Evidence of Two Resonant Structures in $e^+e^- \rightarrow \mu^+ \mu^- h_c$. <i>Physical Review Letters</i> , 2017 , 118, 092002	7.4	96
531	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22

530	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 220	4.2	5
529	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+ jets channel with ATLAS. <i>European Physical Journal C</i> , 2017 , 77, 264	4.2	19
528	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017 , 77, 195	4.2	61
527	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 292	4.2	13
526	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 241	4.2	38
525	Measurement of the absolute branching fraction for $\tau \rightarrow \mu \nu \nu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 42-47	4.2	28
524	Measurement of the prompt $t\bar{t}$ pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4.2	47
523	Search for triboson $t\bar{t}t$ production in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 141	4.2	13
522	Observation of $\tau \rightarrow \mu \nu \nu$. <i>Physical Review Letters</i> , 2017 , 118, 112001	7.4	19
521	Study of J/ψ and $\psi(3686)$ decay to $\mu\mu$ and $\mu\mu\mu$ final states. <i>Physical Review D</i> , 2017 , 95,	4.9	20
520	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. <i>European Physical Journal C</i> , 2017 , 77, 490	4.2	177
519	Fiducial, total and differential cross-section measurements of t -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
518	Measurements of electroweak $t\bar{t}$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14
517	Measurement of cross sections of the interactions $e^+e^- \rightarrow t\bar{t}$ and $e^+e^- \rightarrow t\bar{t}t$ at center-of-mass energies from 4.008 to 4.600 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 78-86	4.2	1
516	Measurement of branching fractions for $\psi(3686) \rightarrow \mu\mu$ and $\mu\mu\mu$. <i>Physical Review D</i> , 2017 , 96,	4.9	1
515	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4.2	42
514	Branching fraction measurements of $\psi(3686) \rightarrow \mu\mu$. <i>Physical Review D</i> , 2017 , 96,	4.9	2
513	Measurement of higher-order multipole amplitudes in $\psi(3686) \rightarrow \mu\mu, 2\mu\mu$ and search for the transition $\psi(2S) \rightarrow \mu\mu$. <i>Physical Review D</i> , 2017 , 95,	4.9	5

512	Improved measurements of branching fractions for $B \rightarrow \tau \nu$ and $B \rightarrow \mu \nu$. <i>Physical Review D</i> , 2017 , 95,	4.9	1
511	Evidence for the singly Cabibbo suppressed decay $B \rightarrow \rho \pi$ and search for $B \rightarrow \rho \pi$. <i>Physical Review D</i> , 2017 , 95,	4.9	17
510	Evidence for $e^+e^- \rightarrow \psi(1S)$ at center-of-mass energies between 4.01 and 4.60 GeV. <i>Physical Review D</i> , 2017 , 96,	4.9	4
509	Measurement of $e^+e^- \rightarrow \psi(3686)$ from 4.008 to 4.600 GeV and observation of a charged structure in the $\psi(3686)$ mass spectrum. <i>Physical Review D</i> , 2017 , 96,	4.9	48
508	Determination of the number of J/ψ events with inclusive J/ψ decays. <i>Chinese Physics C</i> , 2017 , 41, 013001	2.2	33
507	Top quark FCNC couplings at future circular hadron electron colliders. <i>Physical Review D</i> , 2017 , 96,	4.9	9
506	Analysis of $D^+ \rightarrow K^0 e^+ \bar{\nu}$ and $D^+ \rightarrow \bar{K}^0 e^+ \bar{\nu}$ semileptonic decays. <i>Physical Review D</i> , 2017 , 96,	4.9	22
505	Observation of $e^+e^- \rightarrow \psi c$ at center-of-mass energies from 4.085 to 4.600 GeV. <i>Physical Review D</i> , 2017 , 96,	4.9	9
504	Study of J/ψ and $\psi(3686) \rightarrow \pi(1385) \rho(1385) \pi$ and $\rho \rho$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 217-225	4.2	16
503	Measurements of cross section of $e^+e^- \rightarrow \rho \pi \pi$ at center-of-mass energies between 4.008 and 4.600 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 45-51	4.2	5
502	Observation of the decay $B \rightarrow \bar{K}^0 \pi^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 772, 388-393	4.2	15
501	Dynamics of nonergodic ferromagnetic/antiferromagnetic ordering and magnetocalorics in antiperovskite Mn_3SnC . <i>Physical Review B</i> , 2017 , 96,	3.3	16
500	Measurement of multi-particle azimuthal correlations in pp , $p \rightarrow Pb$ and low-multiplicity $Pb \rightarrow Pb$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 428	4.2	48
499	Amplitude analysis of the $B \rightarrow \bar{K}^0 \pi$ decays. <i>Physical Review D</i> , 2017 , 95,	4.9	20
498	Determination of the Spin and Parity of the $Z_{\{c\}}(3900)$. <i>Physical Review Letters</i> , 2017 , 119, 072001	7.4	51
497	Search for the radiative leptonic decay $D^+ \rightarrow \bar{K}^0 \pi^0$. <i>Physical Review D</i> , 2017 , 95,	4.9	3
496	Improved measurements of two-photon widths of the ψ states and helicity analysis for $\psi \rightarrow \pi \pi$. <i>Physical Review D</i> , 2017 , 96,	4.9	4
495	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25

494	Measurement of lepton differential distributions and the top quark mass in production in collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
493	Measurement of the $(\overline{t}\gamma)$ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
492	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
491	Dark photon search in the mass range between 1.5 and 3.4 GeV/c ² . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 252-257	4.2	19
490	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. <i>European Physical Journal C</i> , 2017 , 77, 673	4.2	33
489	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $[e^+e^-][\mu^+\mu^-][\tau^+\tau^-]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 144	4.2	8
488	Measurement of the ZZ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV using the ZZ $\rightarrow \mu^+\mu^-$ and $(ZZ\rightarrow \ell^+\ell^+\nu\overline{\nu})$ decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
487	Probing the Wtb vertex structure in t-channel single-top-quark production and decay in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11
486	Observation of $B_{686} \rightarrow e^+e^-[\mu^+\mu^-]$ and $[\mu^+\mu^-] \rightarrow e^+e^-J/\psi$. <i>Physical Review Letters</i> , 2017 , 118, 221802	7.4	8
485	Measurements of $\chi(3512)$ 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> , 2017 , 2017, 1	5.4	15
484	Measurements of top-quark pair to Z-boson cross-section ratios at $(\sqrt{s}=13)$, 8, 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
483	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 70	4.2	52
482	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
481	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 332	4.2	29
480	Measurements of the production cross section of a $[Z\gamma]$ boson in association with jets in collisions at $[\sqrt{s}=8]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 361	4.2	26
479	Precision measurement and interpretation of inclusive $Z\gamma$ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
478	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2017 , 77, 379	4.2	35
477	Search for dark matter at $[e^+e^-]$ in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52

476	Measurement of charged-particle distributions sensitive to the underlying event in ($\sqrt{s}=13$) TeV proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
475	Study of J/ψ and $\psi(6866)$ decays to $\mu\mu$. <i>Physical Review D</i> , 2017 , 96,	4.9	8
474	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 898	4.2	19
473	Measurement of integrated luminosity and center-of-mass energy of data taken by BESIII at. <i>Chinese Physics C</i> , 2017 , 41, 113001	2.2	8
472	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
471	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
470	Amplitude analysis of $D^0 \rightarrow K_S^0 \pi^+ \pi^-$. <i>Physical Review D</i> , 2017 , 95,	4.9	5
469	Luminosity measurements for the R scan experiment at BESIII. <i>Chinese Physics C</i> , 2017 , 41, 063001	2.2	25
468	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	5
467	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	13
466	Search for the rare decays $J/\psi \rightarrow D^0 e^+ e^-$ c.c. and $\psi(6866) \rightarrow D^0 e^+ e^-$ c.c.. <i>Physical Review D</i> , 2017 , 96,	4.9	2
465	Branching fraction measurement of $J/\psi \rightarrow K^+ K^-$ and search for $J/\psi \rightarrow K_S^0 K_S^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	1
464	Search for the rare decay $D^+ \rightarrow D^0 e^+ \mu^-$. <i>Physical Review D</i> , 2017 , 96,	4.9	2
463	Observation of the helicity-selection-rule suppressed decay of the $\psi(2S)$ charmonium state. <i>Physical Review D</i> , 2017 , 96,	4.9	2
462	Search for $\psi(6866) \rightarrow \psi(4050) \pi^0$. <i>Physical Review D</i> , 2017 , 96,	4.9	6
461	Measurement of the inclusive jet cross-sections in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
460	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	27
459	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 580	4.2	16

458	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , 2017 , 77, 563	4.2	15
457	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using ($\sqrt{s}=13$) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
456	Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
455	Studies of $Z\gamma$ production in association with a high-mass dijet system in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
454	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
453	Observation of the doubly radiative decay $\gamma\gamma$. <i>Physical Review D</i> , 2017 , 96,	4.9	7
452	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
451	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. <i>European Physical Journal C</i> , 2017 , 77, 646	4.2	11
450	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> , 2017 , 2017, 1	5.4	12
449	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	8
448	Top-quark mass measurement in the all-hadronic (\overline{t}) decay channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
447	Measurement of the Drell-Yan triple-differential cross section in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	16
446	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	30
445	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of ($\sqrt{s}=13$) TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	22
444	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
443	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> , 2017 , 2017, 1	5.4	3
442	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	7
441	Evidence for the ($H \rightarrow \overline{b}b$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50

440	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at (sqrt{s}=13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	126
439	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 872	4.2	19
438	Probing the Anomalous FCNC tq Couplings at Large Hadron Electron Collider. <i>Advances in High Energy Physics</i> , 2017 , 2017, 1-8	1	10
437	Observation of an Anomalous Line Shape of the χ_{c1} Mass Spectrum near the $pp \rightarrow \chi_{c1} \gamma$ Mass Threshold in $J/\psi \rightarrow \chi_{c1} \gamma$. <i>Physical Review Letters</i> , 2016 , 117, 042002	7.4	24
436	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ near $s=4.42$ and 4.6 GeV. <i>Physical Review D</i> , 2016 , 93,	4.9	33
435	Search for a light CP-odd Higgs boson in radiative decays of J/ψ . <i>Physical Review D</i> , 2016 , 93,	4.9	9
434	Study of $J/\psi \rightarrow \mu^+\mu^-$ at BESIII. <i>Physical Review D</i> , 2016 , 93,	4.9	7
433	Search for the weak decay $\chi_{c1} \rightarrow K^0 \mu^+$ and precise measurement of the branching fraction $B(J/\psi \rightarrow \chi_{c1})$. <i>Physical Review D</i> , 2016 , 93,	4.9	5
432	Observation of pseudoscalar and tensor resonances in $J/\psi \rightarrow \mu^+\mu^-$. <i>Physical Review D</i> , 2016 , 93,	4.9	27
431	Measurement of Azimuthal Asymmetries in Inclusive Charged Dipion Production in $e^+e^- \rightarrow \mu^+\mu^- \pi^+\pi^-$ Annihilations at $\sqrt{s}=3.65$ GeV. <i>Physical Review Letters</i> , 2016 , 116, 042001	7.4	24
430	Measurements of Absolute Hadronic Branching Fractions of the χ_{c1} Baryon. <i>Physical Review Letters</i> , 2016 , 116, 052001	7.4	67
429	Observation of h_c Radiative Decay $h_c \rightarrow \mu^+\mu^- \gamma$ and Evidence for $h_c \rightarrow \mu^+\mu^- \pi^0$. <i>Physical Review Letters</i> , 2016 , 116, 251802	7.4	6
428	Study of χ_{c1} decays to the $\mu^+\mu^-$ and $(1385)^0 \rightarrow (1385)^- \mu^+$ final states. <i>Physical Review D</i> , 2016 , 93,	4.9	18
427	Observation of the Singly Cabibbo-Suppressed Decay $D^+ \rightarrow \mu^+ \pi^0$ and Evidence for $D^0 \rightarrow \mu^+ \pi^-$. <i>Physical Review Letters</i> , 2016 , 116, 082001	7.4	13
426	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
425	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
424	Improved measurement of the absolute branching fraction of $(D^+ \rightarrow \bar{K}^0 \mu^+ \nu_{\mu})$. <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	19
423	Measurement of the charged-particle multiplicity inside jets from pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35

422	Measurement of jet activity in top quark events using the e ⁺ final state with two b-tagged jets in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
421	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 291	4.2	63
420	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to WW $\rightarrow e\bar{e}$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
419	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
418	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in ($\sqrt{s}=8$) TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
417	Identification of high transverse momentum top quarks in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	13
416	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2016 , 18, 073021	2.9	1
415	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016 , 11, P05013-P05013	1	8
414	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4.2	48
413	Measurement of the absolute branching fraction of $D^+ \rightarrow K^0 e^+ \bar{\nu}_e$ via $K^0 \rightarrow \pi^0 \pi^0$. <i>Chinese Physics C</i> , 2016 , 40, 113001	2.2	11
412	Study of $D^+ \rightarrow K^0 e^+ \bar{\nu}_e$. <i>Physical Review D</i> , 2016 , 94,	4.9	11
411	Observation of $e^+e^- \rightarrow \mu^+\mu^-$ at center-of-mass energies between 4.189 and 4.600 GeV. <i>Physical Review D</i> , 2016 , 94,	4.9	13
410	Measurement of the $D_s^+ \rightarrow \mu^+ \mu^-$ branching fractions and the decay constant $f_{D_s^+}$. <i>Physical Review D</i> , 2016 , 94,	4.9	17
409	Observation of J/ψ . <i>Physical Review D</i> , 2016 , 94,	4.9	6
408	Measurements of the absolute branching fractions for $D_s^+ \rightarrow \mu^+ \mu^-$ and $D_s^+ \rightarrow \tau^+ \mu^-$. <i>Physical Review D</i> , 2016 , 94,	4.9	12
407	Measurements of the center-of-mass energies at BESIII via the di-muon process. <i>Chinese Physics C</i> , 2016 , 40, 063001	2.2	42
406	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 283	4.2	42
405	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 653	4.2	188

404	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 683	4.2	7
403	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 (TeV) with the ATLAS detector \square <i>European Physical Journal C</i> , 2016 , 76, 1	4.2	13
402	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
401	Searches for heavy diboson resonances in pp collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	20
400	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $(\sqrt{s}=8)$ TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
399	Search for the Standard Model Higgs boson decaying into $(\overline{b}b)$ produced in association with top quarks decaying hadronically in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	16
398	Measurement of the CP-violating phase ϕ_s and the B^0_s meson decay width difference with $B^0_s \rightarrow J/\psi$ decays in ATLAS. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	10
397	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] =13 [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 392	4.2	53
396	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	24
395	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> , 2016 , 2016, 1	5.4	22
394	Search for new phenomena with photon+jet events in proton-proton collisions at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
393	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> , 2016 , 76, 199	4.2	39
392	Measurement of the branching fraction for $(B^0 \rightarrow \mu^+ \mu^-)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 103-109	4.2	4
391	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
390	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	14
389	Search for strong gravity in multijet final states produced in pp collisions at $(\sqrt{s}=13)$ TeV using the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	12
388	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
387	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 210	4.2	53

386	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 232	4.2	12
385	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 238	4.2	6
384	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 259	4.2	48
383	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	45
382	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1-46	5.4	12
381	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 5	4.2	68
380	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 6	4.2	185
379	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 11	4.2	21
378	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 4	4.2	13
377	Search for an additional, heavy Higgs boson in the [Formula: see text] decay channel at [Formula: see text] in [Formula: see text] collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 45	4.2	152
376	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
375	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ($\sqrt{s}=8, \text{ TeV}$) with the ATLAS detector 2016 , 76, 1		1
374	Study of hard double-parton scattering in four-jet events in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	21
373	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in ($\sqrt{s}=8$) TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	8
372	Effects of the FCNC Couplings in Production of New Heavy Quarks within Z' Models at the LHC. <i>Advances in High Energy Physics</i> , 2016 , 2016, 1-12	1	8
371	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 375	4.2	5
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369	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2016 , 76, 502	4.2	37

368	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 547	4.2	25
367	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> , 2016 , 76, 585	4.2	28
366	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. <i>European Physical Journal C</i> , 2016 , 76, 666	4.2	53
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364	The performance of the jet trigger for the ATLAS detector during 2011 data taking. <i>European Physical Journal C</i> , 2016 , 76, 526	4.2	16
363	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 541	4.2	7
362	Search for the Higgs boson produced in association with a boson and decaying to four -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
361	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. <i>European Physical Journal C</i> , 2016 , 76, 292	4.2	263
360	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 658	4.2	26
359	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 565	4.2	20
358	Measurement of Singly Cabibbo Suppressed Decays $\Upsilon(c)^{+} \rightarrow p \bar{n}$ and $\Upsilon(c)^{+} \rightarrow p K^{+} K^{-}$. <i>Physical Review Letters</i> , 2016 , 117, 232002	7.4	13
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356	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59
355	Measurement of the $e+e \rightarrow \mu\mu$ cross section between 600 and 900 MeV using initial state radiation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 629-638	4.3	129
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353	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 87	4.2	18
352	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 81	4.2	7
351	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> , 2016 , 2016, 1	5.4	33

350	Measurement of the leptonic decay width of J/ψ using initial state radiation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 761, 98-103	4.2	5
349	Study of the rare decays of $[B^0]$ and $[B^+]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
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347	Search for resonances in diphoton events at $(\sqrt{s}=13)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	49
346	Search for single production of vector-like quarks decaying into in collisions at $[B^0]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 442	4.2	24
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341	Search for the $Y(4140)$ via $e+e \rightarrow J/\psi\psi'$ at $s=4.23, 4.26$ and 4.36 GeV. <i>Physical Review D</i> , 2015 , 91,	4.9	16
340	Evidence for $e+e \rightarrow \psi(1,2)$ at center-of-mass energies from 4.009 to 4.360 GeV. <i>Chinese Physics C</i> , 2015 , 39, 041001	2.2	6
339	Study of $e(+)e(-) \rightarrow J/\psi$ at center of mass energies from 4.21 to 4.42 GeV. <i>Physical Review Letters</i> , 2015 , 114, 092003	7.4	81
338	Precision measurement of the D^0 decay branching fractions. <i>Physical Review D</i> , 2015 , 91,	4.9	5
337	Effect of local structural distortions on magnetostructural transformation in Mn_3SnC . <i>Journal Physics D: Applied Physics</i> , 2015 , 48, 295001	3	14
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331	Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69	4.2	62
330	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82	4.2	54
329	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92	4.2	60
328	Measurement of the (\overline{t}) production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
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324	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27
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322	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> , 2015 , 2015, 1	5.4	56
321	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209	4.2	73
320	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120	4.2	51
319	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 412	4.2	66
318	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> , 2015 , 75, 231	4.2	15
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312	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 476	4.2	104
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303	Measurements of $(B_{686})-K^0_{\text{S}}$ and $(B_{686})-K^0_{\text{L}}$. <i>Physical Review D</i> , 2015 , 91,	4.9	3
302	Measurement of $B(B_{770}) \rightarrow B^0$ and search for $(B_{770}) \rightarrow B^0$. <i>Physical Review D</i> , 2015 , 91,	4.9	3
301	Measurement of the $e^+e^- \rightarrow J/\psi$ cross section and search for $e^+e^- \rightarrow J/\psi$ at center-of-mass energies between 3.810 and 4.600 GeV. <i>Physical Review D</i> , 2015 , 91,	4.9	25
300	Study of J/ψ decaying into $\psi(3686)K^0_{\text{S}}$. <i>Physical Review D</i> , 2015 , 91,	4.9	10
299	Search for $D^0 \rightarrow B^0$ and improved measurement of the branching fraction for $D^0 \rightarrow B^0$. <i>Physical Review D</i> , 2015 , 91,	4.9	9
298	Observation of the Dalitz decay $\psi(3686) \rightarrow e^+e^-$. <i>Physical Review D</i> , 2015 , 92,	4.9	31
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294	Observation of $\pi^0 \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	4
293	Amplitude analysis of the $\pi^0 \pi^0$ system produced in radiative J/ψ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	21
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289	Observation of the (1^3D_2) State in $e^+ e^- \rightarrow \pi^0 \pi^0 \pi^0$ at BESIII. <i>Physical Review Letters</i> , 2015 , 115, 011803	7.4	33
288	Observation and Spin-Parity Determination of the $X(1835)$ in $J/\psi \rightarrow K_S^0 K_S^0$. <i>Physical Review Letters</i> , 2015 , 115, 091803	7.4	19
287	Observation of a Neutral Charmoniumlike State $Z_c(4025)^0$ in $e^+ e^- \rightarrow D^* D^0$. <i>Physical Review Letters</i> , 2015 , 115, 182002	7.4	45
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282	Study of dynamics of $D^0 \rightarrow K^+ K^- \pi^0$ and $D^0 \rightarrow \pi^+ \pi^- \pi^0$ decays. <i>Physical Review D</i> , 2015 , 92,	4.9	44
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276	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	42
275	Search for lepton-flavour-violating $H \rightarrow \mu\tau$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	46
274	Measurement of four-jet differential cross sections in ($\sqrt{s}=8$) TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-76	5-4	5
273	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	57
272	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	18
271	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	49
270	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	26
269	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	91
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267	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at ($\sqrt{s}=7$) TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	31
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264	Search for new phenomena in events with three or more charged leptons in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	16
263	Summary of the searches for squarks and gluinos using ($\sqrt{s}=8$) TeV pp collisions with the ATLAS experiment at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	55
262	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> , 2015 , 2015, 1	5-4	15
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258	New IceCube data and color octet neutrino interpretation of the PeV energy events. <i>International Journal of Modern Physics A</i> , 2015 , 30, 1550163	1.2	4
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254	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	37
253	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	74
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251	Search for $[Formula: see text]$ decays in $[Formula: see text]$ collisions at $[Formula: see text]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 165	4.2	25
250	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $[Formula: see text]$. <i>European Physical Journal C</i> , 2015 , 75, 158	4.2	8
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247	Search for metastable heavy charged particles with large ionisation energy loss in collisions at $[Formula: see text]$ TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015 , 75, 407	4.2	18
246	Measurement of the branching fractions of $Ds^+ \rightarrow X$ and $Ds^- \rightarrow X$ in $e^+e^- \rightarrow Ds^+Ds^-$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 466-474	4.2	3
245	Measurement of the production and lepton charge asymmetry of $[Formula: see text]$ bosons in Pb+Pb collisions at $[Formula: see text]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23	4.2	31
244	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector 2015 , 75, 1		3
243	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb ⁻¹ of data with the ATLAS detector 2015 , 2015, 1		3

242	Search for the rare decays $J/\psi \rightarrow \mu^+ \mu^-$ and $J/\psi \rightarrow \mu^+ \mu^- \gamma$. <i>Physical Review D</i> , 2014 , 89,	4.9	6
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240	Observation of a charged $(D D^*)_{\pm}$ mass peak in $e^+ e^- \rightarrow D D^*$ at $\sqrt{s} = 4.26$ GeV. <i>Physical Review Letters</i> , 2014 , 112, 022001	7.4	197
239	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> , 2014 , 2014, 1	5.4	29
238	Study of $e^+ e^- \rightarrow \mu^+ \mu^-$ in the vicinity of the $(B770)$. <i>Physical Review D</i> , 2014 , 90,	4.9	5
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236	Precision measurement of the mass of the τ lepton. <i>Physical Review D</i> , 2014 , 90,	4.9	20
235	The differential production cross section of the $[B(1020)]$ meson in $[pp]$ collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2895	4.2	12
234	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941	4.2	160
233	Measurement of the underlying event in jet events from 7 (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
232	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $[pp]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2982	4.2	18
231	Light-quark and gluon jet discrimination in $[pp]$ collisions at $[pp]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4.2	46
230	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $(\sqrt{s}) = 8$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	14
229	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $(\sqrt{s}) = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	76
228	Measurement of the production cross section of prompt J/ψ 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> , 2014 , 2014, 1	5.4	24
227	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	17
226	Measurement of the production of a W boson in association with a charm quark in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
225	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> , 2014 , 2014, 1	5.4	120

224	Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	39
223	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> , 2014 , 2014, 1	5.4	18
222	Search for direct top-squark pair production in final states with two leptons in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	52
221	Measurement of τ_1 and τ_2 production with $(\sqrt{s}) = 7$ TeV pp collisions at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
220	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	6
219	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	40
218	Observation of electromagnetic Dalitz decays $J/\psi \rightarrow e^+e^- \gamma$. <i>Physical Review D</i> , 2014 , 89,	4.9	9
217	Search for direct top squark pair production in events with a $[Formula: see text]$ boson, $[Formula: see text]$ -jets and missing transverse momentum in $[Formula: see text]$ TeV $[Formula: see text]$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883	4.2	41
216	Measurement of the branching fraction for $B^0 \rightarrow K^+ K^- \gamma$. <i>Physical Review D</i> , 2014 , 89,	4.9	3
215	Measurement of the $D \rightarrow K^0$ strong phase difference in $B^0 \rightarrow D^0 D^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 227-233	4.2	17
214	Study of $B^0 \rightarrow D^0 D^0$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 735, 101-107	4.2	14
213	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	67
212	Pair production of new heavy leptons with $U(1)'$ charge at linear colliders. <i>International Journal of Modern Physics A</i> , 2014 , 29, 1450055	1.2	5
211	Anomalous $HZ\gamma$ couplings in photon-induced collisions at the LHC. <i>Modern Physics Letters A</i> , 2014 , 29, 1450186	1.3	6
210	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130	4.2	166
209	Search for the weak decays $J/\psi \rightarrow \gamma \mu^+ \mu^- + c.c.$. <i>Physical Review D</i> , 2014 , 90,	4.9	4
208	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in $[Formula: see text]$ collisions at $[Formula: see text]$ using the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3117	4.2	17
207	A measurement of the ratio of the production cross sections for $[Formula: see text]$ and $[Formula: see text]$ bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3168	4.2	16

206	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at ($\sqrt{s}=8$) TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	30
205	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb ⁻¹ of (\sqrt{s}) = 8 TeV proton-proton collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	9
204	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using ($\sqrt{s}=8$) TeV proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	108
203	Measurement of the [Formula: see text] production cross-section using [Formula: see text] events with [Formula: see text]-tagged jets in [Formula: see text] collisions at [Formula: see text] and 8 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
202	Search for Anomalous $\gamma\gamma$ and γWZ Couplings with Polarized e^+e^- Beam at the LHeC. <i>Acta Physica Polonica B</i> , 2014 , 45, 1947	1.9	17
201	Search for C-parity violation in J/ψ and ψ' . <i>Physical Review D</i> , 2014 , 90,	4.9	2
200	Amplitude analysis of the $D^+ \rightarrow K_S^0 \pi^0$ Dalitz plot. <i>Physical Review D</i> , 2014 , 89,	4.9	10
199	Observation of $\psi(3700)$ and $\psi(3770)$. <i>Physical Review Letters</i> , 2014 , 112, 251801	7.4	17
198	Measurement of $B \rightarrow K^* K$ decaying into $K^* K$. <i>Physical Review D</i> , 2014 , 89,	4.9	3
197	Precision measurements of $B(D^+ \rightarrow \bar{D}^0 \pi^+)$ the pseudoscalar decay constant f_{D^+} , and the quark mixing matrix element $ V_{cd} $. <i>Physical Review D</i> , 2014 , 89,	4.9	28
196	Observation of $J/\psi \rightarrow \rho^0(980)$ at BESIII. <i>Physical Review D</i> , 2014 , 90,	4.9	4
195	Observation of $e^+e^- \rightarrow \psi(4020)hc$ and a neutral charmoniumlike structure $Z_c(4020)(0)$. <i>Physical Review Letters</i> , 2014 , 113, 212002	7.4	88
194	Observation of a charged charmoniumlike structure in $e^+e^- \rightarrow D^* D^* \pi$ at $\sqrt{s} = 4.26$ GeV. <i>Physical Review Letters</i> , 2014 , 112, 132001	7.4	186
193	Observation of $e^+e^- \rightarrow \psi(3872)$ at BESIII. <i>Physical Review Letters</i> , 2014 , 112, 092001	7.4	111
192	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in (\sqrt{s}) = 8 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	54
191	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4.2	45
190	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	160
189	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134	4.2	31

188	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157	4.2	52
187	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3195	4.2	21
186	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	36
185	Measurement of the production cross-section of $(ZS) \rightarrow J/\psi + \text{jet}$ in pp collisions at (\sqrt{s}) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
184	Measurement of the Z/ τ boson transverse momentum distribution in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79
183	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at (\sqrt{s}) = 8 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	31
182	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	26
181	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
180	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	29
179	Measurement of the production cross section of jets in association with a Z boson in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	50
178	Measurement of the cross-section for W boson production in association with b-jets in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	34
177	Search for third generation scalar leptoquarks in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	30
176	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	124
175	Measurement of ZZ production in pp collisions at (\sqrt{s}) = 7 TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	45
174	Search for charged Higgs bosons through the violation of lepton universality in (\overline{t}) events using pp collision data at (\sqrt{s}) = 7 TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	14
173	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at (\sqrt{s}) = 7 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	47
172	Measurement of splitting scales in γ -events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
171	Search for a light charged Higgs boson in the decay channel [Formula: see text] in [Formula: see text] events using collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465	4.2	76

170	Partial wave analysis of $(2S)\text{-}\rho\rho$ <i>Physical Review D</i> , 2013 , 88,	4.9	5
169	Observation of a charged charmoniumlike structure in $e^+e^- \rightarrow J/\psi \gamma$ at $\sqrt{s} = 4.26$ GeV. <i>Physical Review Letters</i> , 2013 , 110, 252001	7.4	531
168	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $(\sqrt{s}=8)$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	92
167	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $(\sqrt{s}=8)$ TeV proton-proton collisions using the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	64
166	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> , 2013 , 2013, 1	5.4	24
165	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $(\sqrt{s}=7)$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
164	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518	4.2	276
163	Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509	4.2	71
162	Multi-channel search for squarks and gluinos in [Formula: see text] collisions with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2362	4.2	25
161	Jet energy measurement with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=7)$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	209
160	Measurement of jet shapes in top-quark pair events at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2676	4.2	18
159	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $(\sqrt{s_{NN}}) = 2.76$ TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	143
158	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> , 2013 , 2013, 1	5.4	15
157	Observation of a charged charmoniumlike structure $Z_c(4020)$ and search for the $Z_c(3900)$ in $e^+e^- \rightarrow \gamma \chi_{c1}$. <i>Physical Review Letters</i> , 2013 , 111, 242001	7.4	289
156	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	72
155	Measurement of isolated-photon pair production in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
154	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	55
153	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> , 2013 , 2013, 1	5.4	15

152	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	55
151	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	44
150	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
149	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	41
148	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306	4.2	153
147	Measurement of the [Formula: see text] production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328	4.2	30
146	Adiabatic temperature change around coinciding first and second order magnetic transitions in Mn ₃ Ga(C _{0.85} N _{0.15}). <i>Journal of Magnetism and Magnetic Materials</i> , 2013 , 344, 207-210	2.8	17
145	Dynamic orientation of receiver arrays using particle swarm optimisation. <i>Electronics Letters</i> , 2013 , 49, 1313-1315	1.1	2
144	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , 2013 , 15, 043009	2.9	15
143	Determination of the number of ψ events at BESIII. <i>Chinese Physics C</i> , 2013 , 37, 063001	2.2	32
142	Publisher's Note: Measurements of baryon pair decays of B_c mesons [Phys. Rev. D 87, 032007 (2013)]. <i>Physical Review D</i> , 2013 , 87,	4.9	2
141	Search for the lepton flavor violation process $J/\psi \rightarrow \tau^+ \tau^-$ at BESIII. <i>Physical Review D</i> , 2013 , 87,	4.9	4
140	Search for $B_c \rightarrow \tau^+ \tau^-$ and $B_c \rightarrow \tau^+ \tau^- + c.c.$ decays in J/ψ and ψ' . <i>Physical Review D</i> , 2013 , 87,	4.9	10
139	Search for hadronic transition $B_c \rightarrow B_c^* \tau^+ \tau^-$ and observation of $B_c \rightarrow K^* K^0$. <i>Physical Review D</i> , 2013 , 87,	4.9	74
138	Measurements of baryon pair decays of B_c mesons. <i>Physical Review D</i> , 2013 , 87,	4.9	9
137	Measurements of the branching fractions for $J/\psi \rightarrow \tau^+ \tau^-$ and $\psi' \rightarrow \tau^+ \tau^-$ and $\psi' \rightarrow \tau^+ \tau^- + c.c.$. <i>Physical Review D</i> , 2013 , 87,	4.9	1
136	Observation of B_c decay into $B_c^* \tau^+ \tau^-$ and $B_c^* \tau^+ \tau^- + c.c.$ final states. <i>Physical Review D</i> , 2013 , 87,	4.9	3
135	Observation of a structure at 1.84 GeV/c ² in the $3(B_c)$ mass spectrum in $J/\psi(B_c)$ decays. <i>Physical Review D</i> , 2013 , 88,	4.9	12

134	Measurements of $B \rightarrow p K^0$ and $B \rightarrow \bar{p} K^0$ <i>Physical Review D</i> , 2013 , 87,	4.9	7
133	Precision measurements of $B \rightarrow (B686) \rightarrow \mu^+ \mu^-$ and $B \rightarrow (J/\psi + \mu^+ \mu^-)$ <i>Physical Review D</i> , 2013 , 88,	4.9	8
132	Partial wave analysis of J/ψ <i>Physical Review D</i> , 2013 , 87,	4.9	35
131	Study of $J/\psi \rightarrow p \bar{p}$ at BESIII. <i>Physical Review D</i> , 2013 , 87,	4.9	13
130	Observation of the decay $(B686) \rightarrow \mu^+ \mu^- + c.c..$ <i>Physical Review D</i> , 2013 , 88,	4.9	1
129	Search for baryonic decays of $(B770)$ and $(\Lambda 4040)$. <i>Physical Review D</i> , 2013 , 87,	4.9	7
128	Measurement of $B \rightarrow \mu^+ \mu^- + e^+ e^-$ and $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ <i>Physical Review D</i> , 2013 , 87,	4.9	20
127	Study of $(B686) \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	1
126	Study of the near-threshold Λ mass enhancement in doubly OZI-suppressed J/ψ decays. <i>Physical Review D</i> , 2013 , 87,	4.9	16
125	Evidence for $\psi(2S)$ in $(B686) \rightarrow S0K^+ K^-$ <i>Physical Review D</i> , 2013 , 87,	4.9	14
124	Search for $\psi(2S) \rightarrow hc \rightarrow p \bar{p}$ decays and measurements of the $B \rightarrow p \bar{p}$ branching fractions. <i>Physical Review D</i> , 2013 , 88,	4.9	4
123	Search for Λ and Λ invisible decays in J/ψ and ψ' . <i>Physical Review D</i> , 2013 , 87,	4.9	10
122	Evidence for ψ and measurement of J/ψ <i>Physical Review D</i> , 2013 , 87,	4.9	6
121	Measurement of the integrated luminosities of the data taken by BESIII at $\sqrt{s} = 3.650$ and 3.773 GeV. <i>Chinese Physics C</i> , 2013 , 37, 123001	2.2	67
120	PROBING ANOMALOUS HZZ COUPLINGS AT THE LHeC. <i>Modern Physics Letters A</i> , 2013 , 28, 1350142	1.3	9
119	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	14
118	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ mbox{TeV}})$ with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	31
117	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039	4.2	78

116	Search for lepton flavour violation in the continuum with the ATLAS detector in [Formula: see text] collisions at the LHC. <i>European Physical Journal C</i> , 2012 , 72, 2040	4.2	10
115	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046	4.2	42
114	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056	4.2	78
113	Measurement of polarization in τ -decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
112	Measurement of the cross section for top-quark pair production in pp collisions at $(\sqrt{s} = 7; \text{TeV})$ with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
111	Jet mass and substructure of inclusive jets in $(\sqrt{s} = 7; \text{TeV})$ pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	67
110	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	10
109	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of $(\sqrt{s} = 7; \text{TeV})$ proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48
108	A search for $(\overline{t}t)$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	39
107	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $(\sqrt{s} = 7; \text{TeV})$ pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
106	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $(\sqrt{s} = 7; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	31
105	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $(\sqrt{s} = 7)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	11
104	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	53
103	Search for high-mass resonances decaying to dilepton final states in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	49
102	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> , 2012 , 2012, 1	5.4	16
101	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> , 2012 , 2012, 1	5.4	45
100	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> , 2012 , 2012, 1	5.4	13
99	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	199

98	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
97	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> , 2012 , 72, 1	4.2	13
96	Measurement of $[\text{Formula: see text}]$ production with a veto on additional central jet activity in collisions at $[\text{Formula: see text}] \text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
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94	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
93	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	13
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