Halina Abramowicz

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691 papers	30,683 citations	73 h-index	148 g-index
736 ext. papers	35,789 ext. citations	4.9 avg, IF	3.23 L-index

#	Paper	IF	Citations
691	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 716, 1-29	4.2	5271
690	The ATLAS Experiment at the CERN Large Hadron Collider. *Journal of Instrumentation*, **2008**, 3, S08003-S08003	1	1273
689	The ATLAS Simulation Infrastructure. *European Physical Journal C*, **2010**, 70, 823-874	4.2	817
688	Combined Measurement of the Higgs Boson Mass in pp Collisions at sqrt[s]=7 and 8 TeV with the ATLAS and CMS Experiments. *Physical Review Letters*, **2015**, 114, 191803	7.4	709
687	Combined measurement and QCD analysis of the inclusive e − p scattering cross sections at HERA. *Journal of High Energy Physics*, **2010**, 2010, 1	5.4	370
686	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at (sqrt{s}=7) and 8 TeV. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	364
685	Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. *European Physical Journal C*, **2013**, 73, 2518	4.2	276
684	Performance of the ATLAS trigger system in 2015. *European Physical Journal C*, **2017**, 77, 317	4.2	272
683	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2013**, 726, 120-144	4.2	267
682	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. *European Physical Journal C*, **2016**, 76, 292	4.2	263
681	Combination of measurements of inclusive deep inelastic ({e^{pm }p}) scattering cross sections and QCD analysis of HERA data. *European Physical Journal C*, **2015**, 75, 1	4.2	249
680	Performance of the ATLAS Trigger System in 2010. *European Physical Journal C*, **2012**, 72, 1	4.2	232
679	Performance of missing transverse momentum reconstruction in proton-proton collisions at (sqrt{s} = 7~mbox{TeV}) with ATLAS. *European Physical Journal C*, **2012**, 72, 1	4.2	217
678	Jet energy measurement with the ATLAS detector in proton-proton collisions at (sqrt{mathrm{s}}=7 mathrm{TeV}). *European Physical Journal C*, **2013**, 73, 1	4.2	209
677	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text]TeV with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 299	4.2	202
676	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead lead collisions at sNN=2.76TeV with the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2012**, 707, 330-348	4.2	200
675	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. *European Physical Journal C*, **2012**, 72, 1	4.2	199

674	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 17	4.2	194
673	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. *European Physical Journal C*, **2016**, 76, 653	4.2	188
672	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. *European Physical Journal C* , **2016**, 76, 6	4.2	185
671	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. *European Physical Journal C*, **2017**, 77, 490	4.2	177
670	Luminosity determination in pp collisions at (sqrt{s} = 7) TeV using the ATLAS detector at the LHC. *European Physical Journal C*, **2011**, 71, 1	4.2	167
669	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. *European Physical Journal C*, **2014**, 74, 3130	4.2	166
668	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at sNN=2.76 TeV with the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2013**, 719, 220-241	4.2	165
667	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. *European Physical Journal C*, **2014**, 74, 2941	4.2	160
666	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. *European Physical Journal C*, **2014**, 74, 1	4.2	160
665	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. *European Physical Journal C*, **2013**, 73, 2306	4.2	153
664	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 581	4.2	148
663	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. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	143
662	Observation of Long-Range Elliptic Azimuthal Anisotropies in sqrt[s]=13 and 2.76 TeV pp Collisions with the ATLAS Detector. *Physical Review Letters*, **2016**, 116, 172301	7.4	140
661	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at (sqrt{s}=7) TeV. *European Physical Journal C*, **2011**, 71, 1	4.2	138
660	Measurement of theF 2 structure function in deep inelastice + p scattering using 1994 data from the ZEUS detector at HERA. *Zeitschrift F Physik C-Particles and Fields*, **1996**, 72, 399-424		132
659	Search for new high-mass phenomena in the dilepton final state using 36 fb of proton-proton collision data at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	126
658	Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. *Physical Review D*, **2015**, 91,	4.9	125
657	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	124

656	Comparison of ZEUS data with standard model predictions for e+p -> e+X scattering at high x and Q2. *Zeitschrift F Physik C-Particles and Fields*, **1997**, 74, 207-220		123
655	Combined measurements of Higgs boson production and decay using up to 80 fb of proton-proton collision data at s=13 TeV collected with the ATLAS experiment. *Physical Review D*, **2020**, 101,	4.9	121
654	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}) = 8TeV with the ATLAS detector. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	120
653	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2018**, 784, 173-191	4.2	118
652	Search for scalar diphoton resonances in the mass range 65-600 GeV with the ATLAS detector in pp collision data at =8 TeV. *Physical Review Letters*, **2014**, 113, 171801	7.4	117
651	Search for dark matter in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collisions at =8 TeV with the ATLAS detector. *Physical Review Letters*, **2014**, 112, 041802	7.4	117
650	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at s=13 TeV with the ATLAS detector. *Physical Review D*, **2017**, 96,	4.9	116
649	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. *European Physical Journal C*, **2013**, 73, 1	4.2	114
648	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. *Physical Review Letters*, **2014**, 112,	7.4	113
647	Search for charged Higgs bosons decaying via H -> n (toverline t) events using pp collision data at (sqrt {s} = 7;TeV) with the ATLAS detector. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	112
646	Measurement of the inclusive isolated prompt photon cross section in pp collisions at s=7 TeV with the ATLAS detector. *Physical Review D*, **2011**, 83,	4.9	112
645	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. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	108
644	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. *European Physical Journal C*, **2014**, 74, 3109	4.2	107
643	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 476	4.2	104
642	Search for doubly charged Higgs bosons in like-sign dilepton final states at (sqrt{s} = 7 mathrm{TeV}) with the ATLAS detector. *European Physical Journal C*, **2012**, 72, 1	4.2	104
641	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. *European Physical Journal C*, **2011**, 71, 1	4.2	103
640	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	101
639	Measurements of the Nuclear Modification Factor for Jets in Pb+Pb Collisions at)NN]=2.76 TeV with the ATLAS detector. *Physical Review Letters*, **2015**, 114, 072302	7.4	99

638	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 349	4.2	94
637	Measurement of the Inelastic Proton-Proton Cross Section at sqrt[s]=13 TeV with the ATLAS Detector at the LHC. *Physical Review Letters*, **2016**, 117, 182002	7.4	92
636	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. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	92
635	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	91
634	Search for Higgs boson pair production in the bb[over] final state using pp collision data at sqrt[s]=8 TeV from the ATLAS detector. *Physical Review Letters*, **2015**, 114, 081802	7.4	90
633	Observation of H->bb decays and VH production with the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2018**, 786, 59-86	4.2	87
632	Observation and measurement of Higgs boson decays to WW* with the ATLAS detector. *Physical Review D*, **2015**, 92,	4.9	86
631	Search for high-mass dilepton resonances using 139 fb of pp collision data collected at s=13 TeV with the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2019**, 796, 68-87	4.2	82
630	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. *European Physical Journal C*, **2012**, 72, 2043	4.2	82
629	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb of pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	81
628	Measurement of the Z/* boson transverse momentum distribution in pp collisions at (sqrt{s}=7) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	79
627	Measurement of the charge asymmetry in top quark pair production in collisions at [Formula: see text] using the ATLAS detector. *European Physical Journal C*, **2012**, 72, 2039	4.2	78
626	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. *European Physical Journal C*, **2012**, 72, 2056	4.2	78
625	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. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	76
624	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. *European Physical Journal C*, **2013**, 73, 2465	4.2	76
623	Higgs physics at the CLIC electron-positron linear collider. *European Physical Journal C*, **2017**, 77, 475	4.2	76
622	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	74
621	Measurements of Higgs boson properties in the diphoton decay channel with 36 fb of pp collision data at s=13 TeV with the ATLAS detector. *Physical Review D*, **2018**, 98,	4.9	74

620	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. *European Physical Journal C*, **2015**, 75, 209	4.2	73
619	Evidence for electroweak production of W±W±jj in pp collisions at sqrt[s] = 8 TeV with the ATLAS detector. *Physical Review Letters*, **2014**, 113, 141803	7.4	73
618	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at (sqrt{s}=7)TeV. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	72
617	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. *European Physical Journal C*, **2013**, 73, 2509	4.2	71
616	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at (sqrt{s} = 7 mbox{~TeV}). *European Physical Journal C*, **2012**, 72, 1	4.2	70
615	The ATLAS Inner Detector commissioning and calibration. *European Physical Journal C*, **2010**, 70, 787-821	4.2	70
614	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 5	4.2	68
613	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	67
612	Jet mass and substructure of inclusive jets in (sqrt {s} = 7;{text{TeV}}) pp collisions with the ATLAS experiment. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	67
611	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeVwith the ATLAS detector. *European Physical Journal C*, **2015**, 75, 412	4.2	66
610	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1-39	5.4	66
609	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 903	4.2	66
608	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	65
607	Search for the (boverline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	64
606	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. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	64
605	Measurement of W± and Z-boson production cross sections in pp collisions at s=13 TeV with the ATLAS detector. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2016**, 759, 601-621	4.2	64
604	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. *European Physical Journal C*, **2016**, 76, 291	4.2	63
603	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. *European Physical Journal C*, **2015**, 75, 69	4.2	62

602	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. *European Physical Journal C*, **2017**, 77, 195	4.2	61
601	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 92	4.2	60
600	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (sqrt {s}) = 7 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2011**, 2011, 1	5.4	60
599	Measurement of the -boson mass in pp collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 110	4.2	59
598	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. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	59
597	Measurement of the W -> □and Z/□* -> □production cross sections in proton-proton collisions at (sqrt {s} = 7;{text{TeV}}) with the ATLAS detector. *Journal of High Energy Physics*, **2010**, 2010, 1	5.4	58
596	A search for (toverline{t}) resonances using lepton-plus-jets events in proton-proton collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	57
595	Search for charged Higgs bosons decaying via H □ -> □□ □in fully hadronic final states using pp collision data at (sqrt{s}) = 8 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	56
594	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 335	4.2	56
593	Precision measurement and interpretation of inclusive , and production cross sections with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 367	4.2	56
592	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 199	4.2	55
591	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at (sqrt{s}=7) TeV. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	55
590	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at (sqrt{s} = 7 mbox{TeV}). *European Physical Journal C*, **2013**, 73, 1	4.2	55
589	Summary of the searches for squarks and gluinos using (sqrt{s}=8) TeV pp collisions with the ATLAS experiment at the LHC. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	55
588	Measurement of the diffractive structure functionF 2 D(4) at HERA. *European Physical Journal C*, **1998**, 1, 81-96	4.2	55
587	Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 82	4.2	54
586	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	54
585	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. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	54

584	Measurement of W Z production in proton-proton collisions at (sqrt{s}=7~mbox{TeV}) with the ATLAS detector. *European Physical Journal C*, **2012**, 72, 1	4.2	54
583	Measurement of the longitudinal proton structure function at HERA. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **2009**, 682, 8-22	4.2	54
582	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. *European Physical Journal C*, **2016**, 76, 392	4.2	53
581	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 210	4.2	53
580	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	53
579	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at (sqrt{s}=7mbox{~TeV}) with the ATLAS detector. *European Physical Journal C*, **2011**, 71, 1	4.2	53
578	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. *European Physical Journal C*, **2016**, 76, 666	4.2	53
577	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. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	52
576	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 70	4.2	52
575	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 393	4.2	52
574	Observation of an excited Bc() meson state with the ATLAS detector. *Physical Review Letters*, **2014** , 113, 212004	7.4	52
573	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text]TeV with the ATLAS detector. *European Physical Journal C*, **2014**, 74, 3157	4.2	52
572	Measurement of the W boson polarization in top quark decays with the ATLAS detector. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	52
571	Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. *European Physical Journal C*, **2015**, 75, 120	4.2	51
570	Measurement of the jet fragmentation function and transverse profile in proton proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. *European Physical Journal C*, **2011**, 71, 1	4.2	51
569	Electron and photon performance measurements with the ATLAS detector using the 2015 2017 LHC proton-proton collision data. *Journal of Instrumentation*, **2019**, 14, P12006-P12006	1	51
568	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. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	50
567	Evidence for the (Hto boverline{b}) decay with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	50

566	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 208	4.2	50
565	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. *European Physical Journal C*, **2020**, 80, 1	4.2	50
564	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. *European Physical Journal C*, **2015** , 75, 303	4.2	49
563	Measurement of charged-particle spectra in Pb+Pb collisions at (sqrt{s_{mathrm{NN}}}=2.76) TeV with the ATLAS detector at the LHC. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	49
562	Measurement of the diffractive structure functionF 2 D(4) at HERA **1998**, 1, 81		49
561	Search for resonances in diphoton events at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	49
560	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 995	4.2	49
559	Measurement of spin correlation in top-antitop quark events and search for top squark pair production in pp collisions at =8 TeV using the ATLAS detector. *Physical Review Letters*, **2015**, 114, 142001	7.4	48
558	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 538	4.2	48
557	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. *European Physical Journal C*, **2016**, 76, 259	4.2	48
556	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 428	4.2	48
555	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb of (sqrt {s} = 7;TeV) proton-proton collisions. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	48
554	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at sqrt[s]=13 TeV with the ATLAS Detector. *Physical Review Letters*, **2018**, 121, 211801	7.4	48
553	Search for long-lived charginos based on a disappearing-track signature in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	48
552	Measurement of the prompt /[Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 76	4.2	47
551	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 24	4.2	47
550	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at (sqrt{s}=7) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	47
549	Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 263	4.2	46

548	Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2014**, 74, 3023	4.2	46
547	Search for lepton-flavour-violating H -> decays of the Higgs boson with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	46
546	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with (sqrt{s}=8) TeV pp collisions using the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	45
545	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	45
544	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. *Physical Review Letters*, **2019**, 122, 231801	7.4	45
543	Measurement of ZZ production in pp collisions at (sqrt{s}=7) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	45
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