

Kaushik De

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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.

966

papers

33,359

citations

76

h-index

124

g-index

1,007

ext. papers

37,234

ext. citations

5

avg, IF

3.1

L-index

#	Paper	IF	Citations
966	Observation of the Top Quark. <i>Physical Review Letters</i> , 1995 , 74, 2632-2637	7.4	909
965	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010 , 70, 823-874	4.2	817
964	The upgraded DØ detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 565, 463-537	1.2	465
963	Observation and properties of the X(3872) decaying to J/ψπ ⁺ π ⁻ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 162002	7.4	408
962	The DØ detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994 , 338, 185-253	1.2	357
961	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
960	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017 , 77, 317	4.2	272
959	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
958	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	232
957	Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \sim 8$ TeV) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	217
956	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
955	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299	4.2	202
954	A precision measurement of the mass of the top quark. <i>Nature</i> , 2004 , 429, 638-42	50.4	202
953	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
952	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17	4.2	194
951	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
950	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

949	Measurement of the forward-backward charge asymmetry in top-quark pair production. <i>Physical Review Letters</i> , 2008 , 100, 142002	7.4	183
948	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
947	Observation of single top-quark production. <i>Physical Review Letters</i> , 2009 , 103, 092001	7.4	172
946	Forward-backward asymmetry in top quark-antiquark production. <i>Physical Review D</i> , 2011 , 84,	4.9	170
945	Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	167
944	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
943	Direct limits on the oscillation frequency. <i>Physical Review Letters</i> , 2006 , 97, 021802	7.4	165
942	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
941	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
940	Measurement of B_s^0 mixing parameters from the flavor-tagged decay $B_s^0 \rightarrow J/\psi \phi$. <i>Physical Review Letters</i> , 2008 , 101, 241801	7.4	156
939	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
938	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
937	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 581	4.2	148
936	Measurement of the inclusive jet cross section in pp collisions at square root $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 062001	7.4	148
935	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
934	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s} = 7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	138
933	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
932	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

931	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review D</i> , 2010 , 82,	4.9	123
930	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. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	120
929	Double parton interactions in n jet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 81,	4.9	119
928	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ events using pp collision data at (\sqrt{s}) = 7;TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	112
927	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015 , 75, 510	4.2	109
926	Search for the top quark in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1994 , 72, 2138-2142	4.2	109
925	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
924	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 8TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109	4.2	107
923	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
922	Search for doubly charged Higgs bosons in like-sign dilepton final states at (\sqrt{s}) = 7 mathrm{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	104
921	Combination of Tevatron searches for the standard model Higgs boson in the W+W- decay mode. <i>Physical Review Letters</i> , 2010 , 104, 061802	7.4	104
920	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	103
919	The bb production cross section and angular correlations in pp collisions at $s=1.8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 487, 264-272	4.2	103
918	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
917	Search for squarks and gluinos in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1995 , 75, 618-623	7.4	100
916	Direct measurement of the top quark mass by the D Collaboration. <i>Physical Review D</i> , 1998 , 58,	4.9	98
915	Measurement of the Top Quark Mass Using Dilepton Events. <i>Physical Review Letters</i> , 1998 , 80, 2063-2068	4.9	96
914	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 660, 449-457	4.2	95

913	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 349	4.2	94
912	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
911	Search for charged Higgs bosons in top quark decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 682, 278-286	4.2	92
910	Inclusive micro and b-quark production cross sections in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1995 , 74, 3548-3552	7.4	92
909	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
908	Evidence for an anomalous like-sign dimuon charge asymmetry. <i>Physical Review Letters</i> , 2010 , 105, 081801	4.4	89
907	Measurement of the anomalous like-sign dimuon charge asymmetry with 9 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2011 , 84,	4.9	88
906	Direct Measurement of the Top Quark Mass. <i>Physical Review Letters</i> , 1997 , 79, 1197-1202	7.4	88
905	b-Jet identification in the D0 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 620, 490-517	1.2	87
904	Evidence for production of single top quarks and first direct measurement of $ V_{tb} $. <i>Physical Review Letters</i> , 2007 , 98, 181802	7.4	86
903	Direct observation of the strange b baryon Λ_b^- . <i>Physical Review Letters</i> , 2007 , 99, 052001	7.4	86
902	production in collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 370, 239-248	4.2	85
901	Measurement of the shape of the boson-transverse momentum distribution in pp \rightarrow Z/ γ^* \rightarrow e ⁺ e ⁻ + X events produced at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2008 , 100, 102002	7.4	83
900	Measurement of [Formula: see text] production with a veto on additional central jet activity in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043	4.2	82
899	Readiness of the ATLAS Tile Calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 1193-1236	4.36	82
898	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	81
897	Search for light top squarks in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1996 , 76, 2222-2227	4.27	81
896	Measurement of the Z/ γ^* boson transverse momentum distribution in pp collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	79

895	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
894	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
893	Search for Charged Higgs Bosons in Decays of Top Quark Pairs. <i>Physical Review Letters</i> , 1999 , 82, 4975-4980	4.2	78
892	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
891	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
890	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
889	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
888	Measurement of the top quark mass in the dilepton channel. <i>Physical Review D</i> , 1999 , 60,	4.9	73
887	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
886	Observation of the Bc meson in the exclusive decay $B_c \rightarrow J/\psi \pi$. <i>Physical Review Letters</i> , 2008 , 101, 012001	4.2	72
885	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
884	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ mbox{~TeV}). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	70
883	Measurement of the CP-violating phase $\phi_{S/J}$ using the flavor-tagged decay $B_s^0 \rightarrow J/\psi \pi$ in 8 fb ⁻¹ of pp collisions. <i>Physical Review D</i> , 2012 , 85,	4.9	70
882	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010 , 70, 787-821	4.2	70
881	Evidence for production of single top quarks. <i>Physical Review D</i> , 2008 , 78,	4.9	69
880	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
879	Measurement of dijet angular distributions at square root(s) = 1.96 TeV and searches for quark compositeness and extra spatial dimensions. <i>Physical Review Letters</i> , 2009 , 103, 191803	7.4	68
878	Top quark search with the D0 1992-1993 data sample. <i>Physical Review D</i> , 1995 , 52, 4877-4919	4.9	68

877	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
876	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
875	Measurement of the Top Quark Pair Production Cross Section in pp Collisions. <i>Physical Review Letters</i> , 1997 , 79, 1203-1208	7.4	67
874	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
873	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-39	5.4	66
872	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
871	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	65
870	Cross section for b-Jet production in $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 85, 5068-73	7.4	65
869	Search for the (\overline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	64
868	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
867	Observation of the doubly strange b baryon Ω_{cb} . <i>Physical Review Letters</i> , 2008 , 101, 232002	7.4	64
866	Measurement of the isolated photon cross section in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 151-158	4.2	64
865	Measurement of dijet azimuthal decorrelations at central rapidities in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 221801	7.4	64
864	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
863	Search for doubly charged higgs boson pair production in the decay to $\mu^{+}\mu^{+}\mu^{-}\mu^{-}$ in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2004 , 93, 141801	7.4	63
862	Search for high mass top quark production in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1995 , 74, 2422-2426	7.4	63
861	Search for right-handed W bosons and heavy W' in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1996 , 76, 3271-3276	7.4	63
860	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

859	High-pT jets in p <p> collisions at s=630 and 1800 GeV. <i>Physical Review D</i>, 2001, 64,</p>	4.9	62
858	Inclusive Jet Cross Section in p <p> Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i>, 1999, 82, 2451-2456</p>	7.4	62
857	W and Z Boson Production in pp-bar Collisions at $\sqrt{s}=1.8\text{ TeV}$. <i>Physical Review Letters</i> , 1995 , 75, 1456-1461	4.9	62
856	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
855	Search for large extra dimensions in dielectron and diphoton production. <i>Physical Review Letters</i> , 2001 , 86, 1156-61	7.4	61
854	Extraction of the width of the W boson from measurements of $(pp \rightarrow W+X)B(W \rightarrow e)$ and $(pp \rightarrow Z+X)B(Z \rightarrow ee)$ and their ratio. <i>Physical Review D</i> , 2000 , 61,	4.9	61
853	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
852	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $(\sqrt{s}) = 7\text{ TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	60
851	Search for the rare decay . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 539-544	4.2	60
850	Inclusive jet production in pp collisions. <i>Physical Review Letters</i> , 2001 , 86, 1707-12	7.4	60
849	Isolated photon cross section in p <p> collisions at $\sqrt{s} = 1.8\text{ TeV}$. <i>Physical Review Letters</i>, 2000, 84, 2786-91</p>	7.4	60
848	Measurement of the Z -boson mass in pp collisions at $\sqrt{s} = 1.8\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 110	4.2	59
847	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $(\sqrt{s}=8)\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	59
846	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb of data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 34-43	4.2	58
845	Measurement of the $W \rightarrow \ell\bar{\nu}$ and $Z/\gamma \rightarrow \ell\bar{\nu}$ production cross sections in proton-proton collisions at $(\sqrt{s} = 7;\text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	58
844	Measurement of the shape of the boson rapidity distribution for $pp \rightarrow Z/\gamma \rightarrow e+e+X$ events produced at s of 1.96 TeV. <i>Physical Review D</i> , 2007 , 76,	4.9	58
843	A search for (\overline{t}) resonances using lepton-plus-jets events in proton-proton collisions at $(\sqrt{s}=8)\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	57
842	Observation and properties of the orbitally excited $B_{(s2)}(*)$ meson. <i>Physical Review Letters</i> , 2008 , 100, 082002	7.4	57

841	Measurement of the High-Mass Drell-Yan Cross Section and Limits on Quark-Electron Compositeness Scales. <i>Physical Review Letters</i> , 1999 , 82, 4769-4774	7.4	57
840	Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	56
839	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 335	4.2	56
838	Precision measurement and interpretation of inclusive τ and production cross sections with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 367	4.2	56
837	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2018 , 78, 199	4.2	55
836	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
835	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
834	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
833	Search for the flavor-changing neutral current decay $B_s \rightarrow \mu^+ \mu^-$ in pp Collisions at $\sqrt{s} = 1.96$ TeV with the D0 detector. <i>Physical Review Letters</i> , 2005 , 94, 071802	7.4	55
832	Rapidity gaps between jets in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1994 , 72, 2332-2336	7.4	55
831	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
830	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	54
829	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
828	Measurement of $W^\pm Z$ production in proton-proton collisions at $(\sqrt{s}=7 \text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	54
827	Bounds on an anomalous dijet resonance in W +jets production in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 011804	7.4	54
826	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
825	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
824	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

823	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s}=7\text{TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	53
822	Dijet Mass Spectrum and a Search for Quark Compositeness in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1999 , 82, 2457-2462	7.4	53
821	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
820	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
819	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
818	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 393	4.2	52
817	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
816	Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	52
815	Determination of the pole and . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 422-427	4.2	52
814	Search for next-to-minimal supersymmetric Higgs bosons in the $h \rightarrow a\bar{a} \rightarrow \mu\mu\mu\mu$, $\mu\mu\tau\tau$ channels using pp collisions at $\sqrt{s} = 1.96\text{ TeV}$. <i>Physical Review Letters</i> , 2009 , 103, 061801	7.4	52
813	Testbeam studies of production modules of the ATLAS Tile Calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 606, 362-394	1.2	52
812	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb^{-1} of pp collisions at $s=1.96\text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 88-94	4.2	52
811	Probing hard color-singlet exchange in pp collisions at $s = 630\text{ GeV}$ and 1800 GeV . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 440, 189-202	4.2	52
810	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
809	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	51
808	Combination of $t\bar{t}$ cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. <i>Physical Review D</i> , 2009 , 80,	4.9	51
807	Search for large extra dimensions in the monojet+E(T) channel with the DØ detector. <i>Physical Review Letters</i> , 2003 , 90, 251802	7.4	51
806	Search for single top quark production at DØ using neural networks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 282-294	4.2	51

805	Search for Squarks and Gluinos in Events Containing Jets and a Large Imbalance in Transverse Energy. <i>Physical Review Letters</i> , 1999 , 83, 4937-4942	7.4	51
804	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
803	Evidence for the ($H \rightarrow b\bar{b}$) decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	50
802	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s}=7$ TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208	4.2	50
801	Lifetime difference and CP-violating phase in the B_s^0 system. <i>Physical Review Letters</i> , 2007 , 98, 121801	7.4	50
800	Determination of the absolute jet energy scale in the DCalorimeters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999 , 424, 352-394	1.2	50
799	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	50
798	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2015 , 75, 303	4.2	49
797	Measurement of charged-particle spectra in Pb+Pb collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	49
796	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
795	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using kinematic characteristics of lepton+jets events. <i>Physical Review D</i> , 2007 , 76,	4.9	49
794	Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 665, 1-8	4.2	49
793	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
792	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
791	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 538	4.2	48
790	Search for supersymmetry at $\sqrt{s}=13$ 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
789	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 428	4.2	48
788	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s}=7$;TeV) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	48

787	Evidence for spin correlation in $t\bar{t}$ production. <i>Physical Review Letters</i> , 2012 , 108, 032004	7-4	48
786	Measurement of the electron charge asymmetry in $pp \rightarrow W+X \rightarrow e\nu+X$ events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 211801	7-4	48
785	Measurement of the polarization of the $\Upsilon(1S)$ and $\Upsilon(2S)$ states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 182004	7-4	48
784	Search for new particles in the two-jet decay channel with the DØ detector. <i>Physical Review D</i> , 2004 , 69,	4-9	48
783	Measurement of the inclusive differential cross section for Z bosons as a function of transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2000 , 61,	4-9	48
782	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
781	Measurement of the prompt $\tau\bar{\tau}$ pair production cross-section in collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 76	4-2	47
780	Search for heavy resonances decaying into $\tau\bar{\tau}$ in the 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
779	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
778	Measurement of the τ lepton charge asymmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 403-410	4-2	47
777	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4-9	47
776	Measurement of the muon charge asymmetry from W boson decays. <i>Physical Review D</i> , 2008 , 77,	4-9	47
775	Properties of $L=1$ $B(1)$ and $B(2)^*$ mesons. <i>Physical Review Letters</i> , 2007 , 99, 172001	7-4	47
774	Measurement of the W Boson Mass. <i>Physical Review Letters</i> , 1996 , 77, 3309-3314	7-4	47
773	Search for a new resonance decaying to a W boson and a Higgs boson in the $pp \rightarrow W+H$ final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263	4-2	46
772	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023	4-2	46
771	Search for lepton-flavour-violating $H \rightarrow \tau\mu$ decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	46
770	Search for long-lived charged massive particles with the DØ detector. <i>Physical Review Letters</i> , 2009 , 102, 161802	7-4	46

769	Helicity of the W boson in lepton+jets . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 617, 1-10	4.2	46
768	Search for First Generation Scalar Leptoquark Pairs in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1998 , 80, 2051-2056	7.4	46
767	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ($\sqrt{s}=8$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	45
766	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
765	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
764	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7\text{TeV}$ in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034	4.2	45
763	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
762	Measurement of the top quark pair production cross section in the lepton+jets channel in proton-antiproton collisions at $\sqrt{s}=1.96\text{TeV}$. <i>Physical Review D</i> , 2011 , 84,	4.9	45
761	Search for flavor changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 81-87	4.2	45
760	Limits on Anomalous WW Couplings from pp \rightarrow WX Events at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1997 , 78, 3634-3639	7.4	45
759	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=7\text{TeV}$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 318	4.2	44
758	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at $\sqrt{s}=7\text{TeV}$. <i>European Physical Journal C</i> , 2016 , 76, 154	4.2	44
757	Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7\text{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
756	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
755	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	44
754	Search for Scalar Leptoquark Pairs Decaying to Electrons and Jets in pp Collisions. <i>Physical Review Letters</i> , 1997 , 79, 4321-4326	7.4	44
753	Search for W' boson resonances decaying to a top quark and a bottom quark. <i>Physical Review Letters</i> , 2008 , 100, 211803	7.4	44
752	Measurement of inclusive differential cross sections for pp collisions at ($\sqrt{s}=1.96\text{TeV}$). <i>Physical Review Letters</i> , 2005 , 94, 232001	7.4	44

751	Angular analysis of $B \rightarrow D^* K^0$ 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
750	A Roadmap for HEP Software and Computing R&D for the 2020s. <i>Computing and Software for Big Science</i> , 2019 , 3, 1	6	43
749	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
748	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
747	Determination of the strong coupling constant from the inclusive jet cross section in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 80,	4-9	43
746	Precise study of the Z boson transverse momentum distribution in pp collisions using a novel technique. <i>Physical Review Letters</i> , 2011 , 106, 122001	7-4	43
745	Search for pair production of doubly charged Higgs bosons in the $H^{++}H^{--} \rightarrow \mu^+ \mu^+ \mu^- \mu^-$ final state. <i>Physical Review Letters</i> , 2008 , 101, 071803	7-4	43
744	Search for large extra dimensions via single photon plus missing energy final states at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 011601	7-4	43
743	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. <i>Physical Review D</i> , 2006 , 74,	4-9	43
742	Search for production of single top quarks via $t\bar{c}$ and $t\bar{u}$ flavor-changing-neutral-current couplings. <i>Physical Review Letters</i> , 2007 , 99, 191802	7-4	43
741	Experimental discrimination between charge $2e/3$ top quark and charge $4e/3$ exotic quark production scenarios. <i>Physical Review Letters</i> , 2007 , 98, 041801	7-4	43
740	Measurement of the W boson mass. <i>Physical Review D</i> , 1998 , 58,	4-9	43
739	First generation leptoquark search in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1994 , 72, 965-969	7-4	43
738	ATLAS b-jet identification performance and efficiency measurement with ($t\bar{t}$) events in pp collisions at ($\sqrt{s}=13$) TeV. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	43
737	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017 , 77, 466	4-2	42
736	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
735	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
734	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

733	Measurement of the lifetime of the $B_c^{+/-}$ meson in the semileptonic decay channel. <i>Physical Review Letters</i> , 2009 , 102, 092001	7.4	42
732	Search for $W^? \rightarrow tb$ resonances with left- and right-handed couplings to fermions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 145-150	4.2	42
731	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.96$ TeV using secondary vertex b tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	42
730	Search for heavy resonances in the and final states using proton-proton collisions at \sqrt{s} with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 293	4.2	41
729	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
728	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
727	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7\sim m_{\text{TeV}}$) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	41
726	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. <i>European Physical Journal C</i> , 2010 , 70, 723-753	4.2	41
725	Combination of CDF and D0 results on the W boson mass and width. <i>Physical Review D</i> , 2004 , 70,	4.9	41
724	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
723	Model-independent measurement of t -channel single top quark production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 313-319	4.2	40
722	Search for resonant pair production of neutral long-lived particles decaying to $b\bar{b}$ in pp collisions at square root(S)=1.96 TeV. <i>Physical Review Letters</i> , 2009 , 103, 071801	7.4	40
721	Measurement of the CP-violation parameter of B_0 mixing and decay with $pp \rightarrow \mu\bar{\mu}$ data. <i>Physical Review D</i> , 2006 , 74,	4.9	40
720	Search for neutral supersymmetric Higgs Bosons in multijet events at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 95, 151801	7.4	40
719	Search for Heavy Pointlike Dirac Monopoles. <i>Physical Review Letters</i> , 1998 , 81, 524-529	7.4	40
718	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
717	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
716	A search for (\overline{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

715	Search for scalar bottom quarks and third-generation leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 95-101	4.2	39
714	Search for W' bosons decaying to an electron and a neutrino with the D0 detector. <i>Physical Review Letters</i> , 2008 , 100, 031804	7.4	39
713	Transverse energy distributions within jets in collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 357, 500-508	4.2	39
712	Jet production via strongly interacting color-singlet exchange in pp-bar collisions. <i>Physical Review Letters</i> , 1996 , 76, 734-739	7.4	39
711	Isolated Photon Cross Section in the Central and Forward Rapidity Regions in pp-bar Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1996 , 77, 5011-5015	7.4	39
710	A new method to investigate the nuclear effect in leptonic interactions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988 , 214, 281-285	4.2	39
709	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
708	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
707	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229	4.2	38
706	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
705	Measurement of the normalized . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 522-530	4.2	38
704	Measurement of differential . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 669, 278-286	4.2	38
703	Small Angle J/[Production in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1999 , 82, 35-40	7.4	38
702	Search for W boson pair production in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1995 , 75, 1023-1027	7.4	38
701	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at ($\sqrt{s}=13$) (text {TeV}). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	37
700	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
699	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
698	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in ($\sqrt{s}=7$, {TeV}) pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37

697	Limits on the production of the standard model Higgs boson in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
696	Search for massive colored scalars in four-jet final states in ($\sqrt{s}=7\sim\text{mbox{TeV}}$) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	37
695	Measurement of $\gamma+b+X$ and $\gamma+c+X$ Production Cross Sections in pp Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 192002	7.4	37
694	Search for tt resonances in the lepton plus jets final state in pp collisions at $s=1.96\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 98-104	4.2	37
693	Direct search for charged higgs bosons in decays of top quarks. <i>Physical Review Letters</i> , 2002 , 88, 151803	7.4	37
692	Small-angle muon and bottom-quark production in p&pmacr; collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 84, 5478-83	7.4	37
691	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
690	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
689	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
688	Measurement of the t-channel single top quark production cross section. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 682, 363-369	4.2	36
687	Measurement of Dijet Angular Distributions and Search for Quark Compositeness. <i>Physical Review Letters</i> , 1998 , 80, 666-671	7.4	36
686	The large-volume detector (LVD) - a multipurpose underground detector at Gran Sasso. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989 , 277, 11-16	1.2	36
685	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
684	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
683	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 322	4.2	35
682	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
681	Search for second generation scalar leptoquarks in pp collisions at ($\sqrt{s}=7\sim\text{mbox{TeV}}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	35
680	Measurement of the W boson mass. <i>Physical Review Letters</i> , 2009 , 103, 141801	7.4	35

679	Measurement of pion and proton response and longitudinal shower profiles up to 20 nuclear interaction lengths with the ATLAS Tile calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 615, 158-181	1.2	35
678	Study of the ZZ and $Z\gamma$ Couplings in $Z(\gamma)\mu\mu$ Production. <i>Physical Review Letters</i> , 1997 , 78, 3640-3645	7.4	35
677	Search for stopped gluinos from pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 131801	7.4	35
676	Search for squarks and gluinos in events with jets and missing transverse energy in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 119-127	4.2	35
675	Improved W boson mass measurement with the DØ detector. <i>Physical Review D</i> , 2002 , 66,	4.9	35
674	Spin correlation in $t\bar{t}$ production from $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 85, 256-61	7.4	35
673	Experimental Search for Chargino and Neutralino Production in Supersymmetry Models with a Light Gravitino. <i>Physical Review Letters</i> , 1998 , 80, 442-447	7.4	35
672	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
671	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	34
670	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at ($\sqrt{s} = \{7\}; \text{TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
669	Overview of ATLAS PanDA Workload Management. <i>Journal of Physics: Conference Series</i> , 2011 , 331, 072024	1	34
668	Construction and commissioning of the CALICE analog hadron calorimeter prototype. <i>Journal of Instrumentation</i> , 2010 , 5, P05004-P05004	1	34
667	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 565	4.2	34
666	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
665	Measurement of the W boson helicity in top quark decays using 5.4 fb ⁻¹ of pp collision data. <i>Physical Review D</i> , 2011 , 83,	4.9	33
664	Precision measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and extraction of V_{tb} . <i>Physical Review Letters</i> , 2011 , 107, 121802	7.4	33
663	Measurement of direct photon pair production cross sections in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 108-117	4.2	33
662	Model-independent measurement of the W-boson helicity in top-quark decays at DØ. <i>Physical Review Letters</i> , 2008 , 100, 062004	7.4	33

661	Ratio of isolated photon cross sections in pp macro collisions at square root of $s = 630$ and 1800 GeV. <i>Physical Review Letters</i> , 2001 , 87, 251805	7.4	33
660	Search for electroweak production of single top quarks in pp collisions. <i>Physical Review D</i> , 2000 , 63,	4.9	33
659	Differential production cross section of Z bosons as a function of transverse momentum at sqrt. <i>Physical Review Letters</i> , 2000 , 84, 2792-7	7.4	33
658	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at ($\sqrt{s}=8$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	33
657	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb 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
656	Search for charged Higgs bosons decaying via $H \rightarrow \tau\tau$ in the τ jets and τ lepton final states with 36 fb 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
655	Measurement of the top quark mass in the $t \rightarrow Wb$ and $t \rightarrow Zq$ channels using ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330	4.2	32
654	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
653	Measurement of spin correlation in $t\bar{t}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 702, 16-23	4.2	32
652	Search for Randall-Sundrum gravitons in the dielectron and diphoton final states with 5.4 fb of data from pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 241802	7.4	32
651	Precise measurement of the top-quark mass from lepton+jets events at D0. <i>Physical Review D</i> , 2011 , 84,	4.9	32
650	Measurement of the WW production cross section with dilepton final states in pp collisions at square root(s) = 1.96 TeV and limits on anomalous trilinear gauge couplings. <i>Physical Review Letters</i> , 2009 , 103, 191801	7.4	32
649	Study of energy response and resolution of the ATLAS barrel calorimeter to hadrons of energies from 20 to 350 GeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 621, 134-150	1.2	32
648	The inclusive jet cross section in pp collisions at $\sqrt{s}=1.8$ TeV using the k_T algorithm. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 525, 211-218	4.2	32
647	Search for new physics in e^+e^- data at D using SLEUTH: A quasi-model-independent search strategy for new physics. <i>Physical Review D</i> , 2000 , 62,	4.9	32
646	Measurement of the WW gamma gauge boson couplings in pp collisions at sqrt $s=1.8$ TeV. <i>Physical Review Letters</i> , 1995 , 75, 1034-1039	7.4	32
645	Search for pair production of Higgs bosons in the $(\gamma\gamma)$ 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
644	Constraints on mediator-based dark matter and scalar dark energy models using (\sqrt{s}) = 13 TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31

643	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at ($\sqrt{s} = 7$ TeV) with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	3 ¹
642	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	3 ¹
641	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	3 ¹
640	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	3 ¹
639	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	3 ¹
638	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at ($\sqrt{s}=7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	3 ¹
637	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in ($\sqrt{s}=7$ TeV) proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	3 ¹
636	Inclusive search for same-sign dilepton signatures in pp collisions at ($\sqrt{s} = 7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	3 ¹
635	Search for Higgs boson production in dilepton and missing energy final states with 5.4 fb ⁻¹ of pp collisions at square root(s) = 1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 061804	7.4	3 ¹
634	Combined Tevatron upper limit on $gg \rightarrow H \rightarrow W+W$ and constraints on the Higgs boson mass in fourth-generation fermion models. <i>Physical Review D</i> , 2010 , 82,	4.9	3 ¹
633	Measurement of spin correlation in tt production using a matrix element approach. <i>Physical Review Letters</i> , 2011 , 107, 032001	7.4	3 ¹
632	Dependence of the tt production cross section on the transverse momentum of the top quark. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 515-521	4.2	3 ¹
631	Search for Higgs bosons decaying to tau pairs in pp collisions with the D0 detector. <i>Physical Review Letters</i> , 2008 , 101, 071804	7.4	3 ¹
630	Measurement of the tt production cross section in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 192004	7.4	3 ¹
629	Search for single top quark production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 622, 265-276	4.2	3 ¹
628	Measurement of the Top Quark Pair Production Cross Section in the All-Jets Decay Channel. <i>Physical Review Letters</i> , 1999 , 83, 1908-1913	7.4	3 ¹
627	Measurements of b-jet tagging efficiency with the ATLAS detector using (\overline{t}) events at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3 ¹
626	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	3 ⁰

625	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
624	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
623	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
622	Measurements of underlying-event properties using neutral and charged particles in pp collisions at ($\sqrt{s}=900$) GeV and ($\sqrt{s}=7$) TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	30
621	Determination of the width of the top quark. <i>Physical Review Letters</i> , 2011 , 106, 022001	7.4	30
620	Search for Diphoton Events with Large Missing Transverse Energy in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997 , 78, 2070-2074	7.4	30
619	First study of the radiation-amplitude zero in $W\gamma$ production and limits on anomalous $WW\gamma$ couplings at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 241805	7.4	30
618	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 35-44	4.2	30
617	Search for Randall-Sundrum gravitons in dilepton and diphoton final states. <i>Physical Review Letters</i> , 2005 , 95, 091801	7.4	30
616	Azimuthal Decorrelation of Jets Widely Separated in Rapidity. <i>Physical Review Letters</i> , 1996 , 77, 595-600	7.4	30
615	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
614	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	29
613	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
612	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
611	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
610	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
609	Measurement of the relative branching ratio of $B_{s0} \rightarrow J/\psi(980)$ to $B_{s0} \rightarrow J/\psi$. <i>Physical Review D</i> , 2012 , 85,	4.9	29
608	Search for resonant diphoton production with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 231801	7.4	29

607	Search for neutral Higgs bosons in the multi-b-jet topology in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 97-104	4.2	29
606	Search for flavor changing neutral currents in decays of top quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 313-320	4.2	29
605	Simultaneous measurement of the ratio $R=B(t \rightarrow Wb)/B(t \rightarrow Wq)$ and the top-quark pair production cross section with the D0 detector at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 192003	7.4	29
604	Search for supersymmetry in di-photon final states at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 856-863	4.2	29
603	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 121802	7.4	29
602	$t\bar{t}$ production cross section in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2003 , 67,	4.9	29
601	Search for second-generation leptoquark pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 84, 2088-93	7.4	29
600	$Z\bar{Z}$ production in pp collisions at $s=1.8$ TeV and limits on anomalous ZZ and $Z\bar{Z}$ couplings. <i>Physical Review D</i> , 1998 , 57, R3817-R3821	4.9	29
599	Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 466	4.2	28
598	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
597	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016 , 76, 295	4.2	28
596	Search for single top-quark production via flavour-changing neutral currents at $8\sqrt{\text{TeV}}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 55	4.2	28
595	Measurements of single top quark production cross sections and $ V_{tb} $ in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	28
594	Search for large extra spatial dimensions in the dielectron and diphoton channels in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 051601	7.4	28
593	Search for charged higgs bosons decaying into top and bottom quarks in pp collisions. <i>Physical Review Letters</i> , 2009 , 102, 191802	7.4	28
592	Measurements of differential cross sections of . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 678, 45-54	4.2	28
591	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 679, 177-185	4.2	28
590	Search for a narrow $t\bar{t}$ resonance in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	28

589	Measurement of the ratios of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 658, 112-119	4.2	28
588	Search for pair production of scalar bottom quarks in pp collisions at square root of $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 171806	7.4	28
587	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 45-54	4.2	28
586	Measurement of the W boson mass using large rapidity electrons. <i>Physical Review D</i> , 2000 , 62,	4.9	28
585	A Measurement of the W Boson Mass at the Fermilab pp Collider. <i>Physical Review Letters</i> , 1998 , 80, 3008-3013	4.2	28
584	Beam tests of the D Uranium liquid argon end calorimeters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993 , 324, 53-76	1.2	28
583	Search for minimal supersymmetric standard model Higgs Bosons H^\pm and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 585	4.2	28
582	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
581	Fiducial, total and differential cross-section measurements of γ -channel single top-quark production in collisions at $8\sqrt{\text{TeV}}$ using data collected by the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 531	4.2	27
580	Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb^{-1} of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	27
579	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
578	Measurement of Z/γ +jet+X angular distributions in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 682, 370-380	4.2	27
577	Measurement of the forward-backward charge asymmetry and extraction of $\sin^2\theta_{\text{Weff}}$ in $pp \rightarrow Z/\gamma^* + X \rightarrow e^+e^- + X$ events produced at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 191801	7.4	27
576	Search for ZZ and $Z\gamma^*$ production in pp collisions at square root $s=1.96$ TeV and limits on anomalous ZZZ and $ZZ\gamma^*$ couplings. <i>Physical Review Letters</i> , 2008 , 100, 131801	7.4	27
575	Combined D0 measurements constraining the CP-violating phase and width difference in the B_{s0} system. <i>Physical Review D</i> , 2007 , 76,	4.9	27
574	Measurement of B_d mixing using opposite-side flavor tagging. <i>Physical Review D</i> , 2006 , 74,	4.9	27
573	Measurement of the WW production cross section in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 151801	7.4	27
572	Measurement of the Shape of the Transverse Momentum Distribution of W Bosons Produced in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1998 , 80, 5498-5503	7.4	27

571	Measurement of the top quark pair production cross section in pp collisions using multijet final states. <i>Physical Review D</i> , 1999 , 60,	4.9	27
570	Search for Nonstandard Higgs Bosons Using High Mass Photon Pairs in pp → $\mu\mu$ Jets at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1999 , 82, 2244-2249	7.4	27
569	Search for Anomalous WW and WZ Production in pp-bar Collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1996 , 77, 3303-3308	7.4	27
568	Study of the rare decays of $[B_s^0 \rightarrow \mu\mu]$ and $[B_s^0 \rightarrow \mu\mu\gamma]$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 513	4.2	27
567	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
566	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
565	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
564	Measurements of the production cross section of a $[B_s^0 \rightarrow \mu\mu]$ boson in association with jets in collisions at $[B_s^0 \rightarrow \mu\mu]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 361	4.2	26
563	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
562	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
561	Search for CP violation in $B_s^0 \rightarrow \mu\mu$ decays in pp collisions at $\sqrt{s}=1.96\text{TeV}$. <i>Physical Review D</i> , 2010 , 82,	4.9	26
560	Limits on WWZ and WW Couplings from pp → e μ X Events at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review Letters</i> , 1997 , 79, 1441-1446	7.4	26
559	Studies of gauge boson pair production and trilinear couplings. <i>Physical Review D</i> , 1997 , 56, 6742-6778	4.9	26
558	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. <i>Physical Review D</i> , 2007 , 75,	4.9	26
557	Measurement of the tt production cross section in pp collisions using dilepton events. <i>Physical Review D</i> , 2007 , 76,	4.9	26
556	Search for $[B_s^0 \rightarrow \mu\mu]$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 641, 423-431	4.2	26
555	Search for large extra spatial dimensions in dimuon production with the d0 detector. <i>Physical Review Letters</i> , 2005 , 95, 161602	7.4	26
554	Measurement of the W boson mass using electrons at large rapidities. <i>Physical Review Letters</i> , 2000 , 84, 222-7	7.4	26

553	Limits on the anomalous ZZ gamma and Z gamma gamma couplings in pp-bar collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , 1995 , 75, 1028-1033	7.4	26
552	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
551	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
550	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
549	Measurement of inclusive and differential cross sections in the H -> ZZ * -> 4l 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
548	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
547	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review D</i> , 2011 , 84,	4.9	25
546	Search for dark photons from supersymmetric hidden valleys. <i>Physical Review Letters</i> , 2009 , 103, 081802	7.4	25
545	Measurement of the semileptonic branching ratio of B_{s;0} to an orbitally excited D_{s;1} state: Br(B_{s;0} -> D_{s;1} mu;+ nu X). <i>Physical Review Letters</i> , 2009 , 102, 051801	7.4	25
544	Search for a Fourth Generation Charge 2/3 Quark via Flavor Changing Neutral Current Decay. <i>Physical Review Letters</i> , 1997 , 78, 3818-3823	7.4	25
543	Search for anomalous Wtb couplings in single top quark production. <i>Physical Review Letters</i> , 2008 , 101, 221801	7.4	25
542	Measurement of the ratio of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 666, 23-30	4.2	25
541	Search for heavy particles decaying into electron-positron pairs in pp collisions. <i>Physical Review Letters</i> , 2001 , 87, 061802	7.4	25
540	Quasi-model-independent search for new physics at large transverse momentum. <i>Physical Review D</i> , 2001 , 64,	4.9	25
539	Search for additional neutral gauge bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 385, 471-478	4.2	25
538	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
537	Measurement of the inclusive isolated prompt photon cross section in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	25
536	Measurement of the top quark mass in the (tbar{t} ->) 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

535	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
534	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at (\sqrt{s}) = 7 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	24
533	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
532	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
531	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	24
530	Measurement of $\sigma(pp \rightarrow Z+X)Br(Z \rightarrow \mu\mu)$ at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 670, 292-299	4-2	24
529	Search for a fourth generation t' Quark in p p collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 082001	7-4	24
528	Search for doubly charged Higgs boson pair production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 021801	7-4	24
527	Measurement of the dijet invariant mass cross section in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 693, 531-538	4-2	24
526	Search for $B_s^0 \rightarrow \mu\mu$ decays at D0. <i>Physical Review D</i> , 2007 , 76,	4-9	24
525	Measurement of the differential cross section for the production of an isolated photon with associated jet in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 666, 435-445	4-2	24
524	Search for neutral, long-lived particles decaying into two muons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 161802	7-4	24
523	Quasi-model-independent search for new high $p(T)$ physics at D0. <i>Physical Review Letters</i> , 2001 , 86, 3712-74	7-4	24
522	Probing Balitsky-Fadin-Kuraev-Lipatov dynamics in the dijet cross section at large rapidity intervals in pp collisions at $\sqrt{s}=1800$ and 630 GeV. <i>Physical Review Letters</i> , 2000 , 84, 5722-7	7-4	24
521	Search for Charge $\frac{1}{3}$ Third-Generation Leptoquarks in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 1998 , 81, 38-43	7-4	24
520	Search for R-Parity Violating Supersymmetry in the Dielectron Channel. <i>Physical Review Letters</i> , 1999 , 83, 4476-4481	7-4	24
519	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 442	4-2	24
518	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

517	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
516	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	23
515	Search for diphoton events with large missing transverse energy in 6.3 fb ⁻¹ of pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 221802	7-4	23
514	Precise measurement of the top-quark mass from lepton + jets events. <i>Physical Review Letters</i> , 2008 , 101, 182001	7-4	23
513	Z $\bar{\nu}$ production and limits on anomalous ZZ $\bar{\nu}$ and Z $\nu\bar{\nu}$ couplings in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 653, 378-386	4-2	23
512	Measurement of the charge asymmetry in semileptonic Bs ⁰ decays. <i>Physical Review Letters</i> , 2007 , 98, 151801	7-4	23
511	First measurement of proton-proton elastic scattering at RHIC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 579, 245-250	4-2	23
510	Differential cross section for w boson production as a function of transverse momentum in collisions at TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 513, 292-300	4-2	23
509	Study of the strong coupling constant using W+jet processes. <i>Physical Review Letters</i> , 1995 , 75, 3226-3231	4-2	23
508	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at \sqrt{s} TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2018 , 78, 401	4-2	23
507	Search for Higgs boson pair production in the ($\mu\mu\gamma\gamma$) 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
506	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
505	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
504	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
503	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 362	4-2	22
502	Search for W W/W Z resonance production in $\bar{t}t$ 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
501	A search for prompt lepton-jets in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	22
500	Search for anomalous Wtb couplings in single top quark production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 708, 21-26	4-2	22

499	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
498	A search for high-mass resonances decaying to $\mu\mu$ in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
497	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
496	Search for pair production of second generation scalar leptoquarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 224-232	4.2	22
495	Search for the lightest scalar top quark in events with two leptons in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 675, 289-296	4.2	22
494	Azimuthal decorrelations and multiple parton interactions in $\mu 2$ jet and $\mu 3$ jet events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	22
493	Search for the pair production of scalar top quarks in the acoplanar charm jet final state in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 645, 119-127	4.2	22
492	Measurement of the Bs(0) lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2006 , 97, 241801	7.4	22
491	Search for Wbb and WH production in pp collisions at square root [s]=1.96 TeV. <i>Physical Review Letters</i> , 2005 , 94, 091802	7.4	22
490	Studies of WW and WZ production and limits on anomalous WW and WWZ couplings. <i>Physical Review D</i> , 1999 , 60,	4.9	22
489	Search for bottom squarks in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 1999 , 60,	4.9	22
488	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
487	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
486	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 79	4.2	21
485	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
484	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
483	Measurement of $\sin 2\theta_{ff}$ and Z-light quark couplings using the forward-backward charge asymmetry in pp $\rightarrow Z/\mu \rightarrow e+e$ events with $L=5.0$ fb ⁻¹ at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	21
482	Search for third generation scalar leptoquarks decaying into taub. <i>Physical Review Letters</i> , 2008 , 101, 241802	7.4	21

481	Search for third-generation scalar leptoquarks in pp at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2007 , 99, 061801	7.4	21
480	Measurement of the Lambda b lifetime in the exclusive decay Lambda b \rightarrow J/psi Lambda. <i>Physical Review Letters</i> , 2007 , 99, 142001	7.4	21
479	Search for right-handed W bosons in top quark decay. <i>Physical Review D</i> , 2005 , 72,	4.9	21
478	Search for narrow tt resonances in pp collisions at square root of (s)=1.8 TeV. <i>Physical Review Letters</i> , 2004 , 92, 221801	7.4	21
477	Determination of the mass of the W boson using the D \bar{D} detector at the Fermilab Tevatron. <i>Physical Review D</i> , 1998 , 58,	4.9	21
476	Search for Trilepton Signatures from Associated Gaugino Pair Production. <i>Physical Review Letters</i> , 1998 , 80, 1591-1596	7.4	21
475	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
474	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
473	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
472	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
471	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
470	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
469	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
468	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
467	Measurement of ($W^{\pm}Z$) production cross sections and gauge boson polarisation in pp collisions at ($\sqrt{s}=13$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	20
466	Searches for the Z γ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	20
465	Measurements of inclusive . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 200-207	4.2	20
464	Search for pair production of first-generation leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 681, 224-232	4.2	20

463	Search for charged Higgs bosons in decays of top quarks. <i>Physical Review D</i> , 2009 , 80,	4.9	20
462	Measurement of the $WZ \rightarrow \mu\mu$ cross section and limits on anomalous triple gauge couplings in $pp \rightarrow WZ \rightarrow \mu\mu$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 67-73	4.2	20
461	Search for Randall-Sundrum gravitons with 1 fb ⁻¹ of data from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 091802	7.4	20
460	Search for first-generation scalar leptoquarks in $pp \rightarrow \mu\mu$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	20
459	Measurement of $\sigma(pp \rightarrow Z) \text{Br}(Z \rightarrow \mu\mu)$ at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2005 , 71,	4.9	20
458	Search for supersymmetry via associated production of charginos and neutralinos in final states with three leptons. <i>Physical Review Letters</i> , 2005 , 95, 151805	7.4	20
457	Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 449, 461-477	1.2	20
456	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at ($\sqrt{\text{mathrm}\{s\}} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
455	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 565	4.2	20
454	Measurement of the boson polarisation in $pp \rightarrow WZ \rightarrow \mu\mu$ events from collisions at $\sqrt{s}=8$ TeV in the lepton+jet channel with ATLAS. <i>European Physical Journal C</i> , 2017 , 77, 264	4.2	19
453	Performance of top-quark and $(\text{varvec}\{W\})$ -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
452	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
451	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
450	Evolution of the ATLAS PanDA workload management system for exascale computational science. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032062	0.3	19
449	$Z\mu$ production and limits on anomalous $ZZ\mu\mu$ and $Z\mu\mu$ couplings in $pp \rightarrow Z\mu\mu$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	19
448	Measurement of the $pp \rightarrow WZ+X$ cross section at $\sqrt{s}=1.96$ TeV and limits on WWZ trilinear gauge couplings. <i>Physical Review D</i> , 2007 , 76,	4.9	19
447	Search for scalar leptoquarks and T-odd quarks in the acoplanar jet topology using of collision data at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 668, 357-363	4.2	19
446	Search for the Higgs boson in $H \rightarrow WW^{(*)}$ decays in pp collisions at square root of 1.96 TeV. <i>Physical Review Letters</i> , 2006 , 96, 011801	7.4	19

445	Measurement of the $pp \rightarrow W \pm X$ cross section at $\sqrt{s}=1.96$ TeV and WW anomalous coupling limits. <i>Physical Review D</i> , 2005 , 71,	4.9	19
444	Search for R-parity violating supersymmetry via the LEP couplings κ_{21} , κ_{22} or κ_{33} in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 638, 441-449	4.2	19
443	The PP2PP experiment at RHIC: silicon detectors installed in Roman Pots for forward proton detection close to the beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 535, 415-420	1.2	19
442	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow Z + b \text{ jet})/\sigma(pp \rightarrow Z + \text{jet})$ at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005 , 94, 161801	7.4	19
441	Subjet multiplicity of gluon and quark jets reconstructed with the k_T algorithm in pp collisions. <i>Physical Review D</i> , 2002 , 65,	4.9	19
440	A dependence of J/ψ production in π -nucleus collisions at 530 GeV/c. <i>Physical Review D</i> , 1990 , 41, 1-8	4.9	19
439	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 403	4.2	19
438	Measurement of three-jet production cross-sections in [Formula: see text] collisions at \sqrt{s} [Formula: see text] centre-of-mass energy using the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 228	4.2	18
437	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	18
436	Searches for third-generation scalar leptoquarks in $(\sqrt{s}) = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
435	Measurement of the underlying event in jet events from $\sqrt{s} = 7$ (text {TeV}) proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	18
434	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2982	4.2	18
433	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
432	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
431	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
430	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-65	5.4	18
429	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
428	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	18

427	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in ($\sqrt{s}=7$) TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	18
426	Search for events with leptonic jets and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 211802	7.4	18
425	Search for associated W and Higgs Boson production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 051803	7.4	18
424	Search for anomalous top-quark couplings with the D0 detector. <i>Physical Review Letters</i> , 2009 , 102, 092002	7.4	18
423	Search for pair production of the scalar top quark in the electron + muon final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 696, 321-327	4.2	18
422	Search for Resonant WW and WZ Production in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 011801	7.4	18
421	WW production and limits on anomalous WW couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 241803	7.4	18
420	Measurement of the top quark mass in final states with two leptons. <i>Physical Review D</i> , 2009 , 80,	4.9	18
419	Search for excited electrons in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008 , 77,	4.9	18
418	Search for long-lived particles decaying into electron or photon pairs with the D0 detector. <i>Physical Review Letters</i> , 2008 , 101, 111802	7.4	18
417	Measurement of the Λ_{b0} lifetime using semileptonic decays. <i>Physical Review Letters</i> , 2007 , 99, 182001	7.4	18
416	Search for pair production of second generation scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 636, 183-190	4.2	18
415	Hard single diffraction in p p collisions at $\sqrt{s}=630$ and 1800 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 531, 52-60	4.2	18
414	Measurement of the top quark mass in all-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 606, 25-33	4.2	18
413	Measurement of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2005 , 626, 55-64	4.2	18
412	Measurement of semileptonic branching fractions of B mesons to narrow D^{**} states. <i>Physical Review Letters</i> , 2005 , 95, 171803	7.4	18
411	Limits on anomalous WW and WWZ couplings from WW/WZ $\rightarrow e\bar{e}$ production. <i>Physical Review D</i> , 2000 , 62,	4.9	18
410	Measurement of W and Z boson production cross sections in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1999 , 60,	4.9	18

409	Studies of topological distributions of inclusive three- and four-jet events in p-bar p collisions at $\sqrt{s}=1800$ GeV with the D0 detector. <i>Physical Review D</i> , 1996 , 53, 6000-6016	4.9	18
408	LVD at Gran Sasso. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 264, 5-17	1.2	18
407	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
406	Searches for heavy ZZ and ZW resonances in the $\bar{q}q$ and $q\bar{q}$ final states in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	17
405	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
404	Measurement of polarization in $\tau \rightarrow \mu \nu$ decays with the ATLAS detector in collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2062	4.2	17
403	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
402	Measurements of WW and WZ production in W + jets final states in pp collisions. <i>Physical Review Letters</i> , 2012 , 108, 181803	7.4	17
401	Search for sneutrino production in e^+e^- final states in 5.3 fb ⁻¹ of pp collisions at square root $s = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 191802	7.4	17
400	Measurement of the $Z\gamma \rightarrow \nu\bar{\nu}\gamma$ production cross section and limits on anomalous ZZ γ and Z γ couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2009 , 102, 201802	7.4	17
399	Precise measurement of the top quark mass in the dilepton channel at D0. <i>Physical Review Letters</i> , 2011 , 107, 082004	7.4	17
398	Color coherent radiation in multijet events from collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 419-427	4.2	17
397	Study of direct CP violation in $B^{(\pm)} \rightarrow J/\psi K^{(\pm)}(\pi^{(\pm)})$ decays. <i>Physical Review Letters</i> , 2008 , 100, 211802	7.4	17
396	Search for flavor-changing-neutral-current d meson decays. <i>Physical Review Letters</i> , 2008 , 100, 101801	7.4	17
395	Measurement of the W boson helicity in top quark decays at D0. <i>Physical Review D</i> , 2007 , 75,	4.9	17
394	Direct measurement of the W boson decay width. <i>Physical Review D</i> , 2002 , 66,	4.9	17
393	Search for Squarks and Gluinos in Single-Photon Events with Jets and Large Missing Transverse Energy in pp Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1999 , 82, 29-34	7.4	17
392	Search for $W\tilde{1}Z\tilde{2}$ production via trilepton final states in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1996 , 76, 2228-2233	7.4	17

391	Search for a scalar partner of the top quark in the all-hadronic ($t\bar{t}$) plus missing transverse momentum final state at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	17
390	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV collisions at the LHC using the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 517	4.2	17
389	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
388	Next Generation Workload Management System For Big Data on Heterogeneous Distributed Computing. <i>Journal of Physics: Conference Series</i> , 2015 , 608, 012040	0.3	16
387	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
386	Search for the Standard Model Higgs boson decaying into ($b\bar{b}$) 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
385	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
384	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
383	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
382	Measurement of the ($t\bar{t}W$) and ($t\bar{t}Z$) production cross sections in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
381	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	16
380	A measurement of the ratio of the production cross sections for $[W^+W^-]$ and $[W^+Z]$ bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3168	4.2	16
379	Measurement of the production cross-section of $J/\psi \rightarrow \mu^+\mu^-$ in pp collisions at (\sqrt{s}) = 7 TeV at ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	16
378	Search for anomalous production of prompt like-sign lepton pairs at ($\sqrt{s}=7$;mathrm{TeV}) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	16
377	Studies of the performance of the ATLAS detector using cosmic-ray muons. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	16
376	Search for a resonance decaying into WZ boson pairs in pp collisions. <i>Physical Review Letters</i> , 2010 , 104, 061801	7.4	16
375	Search for WH associated production in 5.3 fb ⁻¹ of pp collisions at the Fermilab Tevatron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 6-13	4.2	16
374	Search for single vectorlike quarks in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 081801	7.4	16

373	Search for charged massive long-lived particles. <i>Physical Review Letters</i> , 2012 , 108, 121802	7.4	16
372	Observation of ZZ production in p-p collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 171803	7.4	16
371	Measurement of the Λ_b lifetime in the decay $\Lambda_b \rightarrow J/\psi \Lambda$ with the D0 detector. <i>Physical Review Letters</i> , 2005 , 94, 102001	7.4	16
370	Search for the scalar top quark in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2002 , 88, 171802	7.4	16
369	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
368	Search for the Higgs boson produced in association with a boson and decaying to four b -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 605	4.2	16
367	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 12	4.2	16
366	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
365	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$ TeV) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
364	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	16
363	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+jet events in proton-proton collisions at a centre-of-mass energy of ($\sqrt{s}=13$) TeV with the ATLAS experiment. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	15
362	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
361	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
360	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
359	Measurements of $\chi(3512)$ and $\chi(3872) \rightarrow J/\psi \eta'$ production in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	15
358	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
357	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
356	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2013 , 15, 043009	2.9	15

355	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	15
354	Search for the standard model higgs Boson in the ZH→bb channel in 5.2 fb ⁻¹ of pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2010 , 104, 071801	7.4	15
353	Evidence of WW and WZ production with lepton + jets final states in pp collisions at square root s=1.96 TeV. <i>Physical Review Letters</i> , 2009 , 102, 161801	7.4	15
352	Search for a scalar or vector particle decaying into Zln . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 671, 349-355	4.2	15
351	Search for admixture of scalar top quarks in the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 674, 4-10	4.2	15
350	Measurement of the production fraction times branching fraction f(b→B)B(B→J/ψ) <i>Physical Review D</i> , 2011 , 84,	4.9	15
349	Search for a fermiophobic and standard model Higgs boson in diphoton final states. <i>Physical Review Letters</i> , 2011 , 107, 151801	7.4	15
348	Search for decay of a fermiophobic Higgs boson hf→γγ with the D0 detector at sqrt s=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 051801	7.4	15
347	Search for neutral Higgs bosons in multi-b-jet events in pp collisions at sqrt[s]=1.96 TeV. <i>Physical Review Letters</i> , 2008 , 101, 221802	7.4	15
346	Multivariate searches for single top quark production with the D0 detector. <i>Physical Review D</i> , 2007 , 75,	4.9	15
345	Search for the lightest scalar top quark in events with two leptons in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 659, 500-508	4.2	15
344	A combined search for the standard model Higgs boson at s=1.96TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008 , 663, 26-36	4.2	15
343	Observation of diffractively produced W and Z bosons in p p collisions at s=1800GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 574, 169-179	4.2	15
342	Study of Zγ events and limits on anomalous ZZγ and Zγγ couplings in pp collisions at square root s = 1.96 TeV. <i>Physical Review Letters</i> , 2005 , 95, 051802	7.4	15
341	Measurement of the B _s lifetime in the exclusive decay channel B _s →J/ψφ. <i>Physical Review Letters</i> , 2005 , 94, 042001	7.4	15
340	Search for supersymmetry with gauge-mediated breaking in diphoton events at D0. <i>Physical Review Letters</i> , 2005 , 94, 041801	7.4	15
339	Search for Second Generation Leptoquark Pairs Decaying to bb-jets in pp Collisions at sqrt[s]=1.8TeV. <i>Physical Review Letters</i> , 1999 , 83, 2896-2901	7.4	15
338	Second generation leptoquark search in pp-bar collisions at sqrt s=1.8 TeV. <i>Physical Review Letters</i> , 1995 , 75, 3618-3623	7.4	15

337	Design, construction, and performance of the electromagnetic module of the D _{End} calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993 , 325, 393-416	1.2	15
336	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
335	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in \sqrt{s} collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 625	4.2	15
334	Measurement of the $\sigma(\text{lepton pair})$ and $\sigma(\text{lepton pair})$ production cross sections in multilepton final states using 3.2 fb of \sqrt{s} collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 40	4.2	14
333	Measurements of electroweak $\sigma(\text{lepton pair})$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 474	4.2	14
332	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
331	Measurement of the $\sigma(\text{lepton pair})$ 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
330	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
329	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
328	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
327	Search for charged Higgs bosons through the violation of lepton universality in (lepton pair) 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
326	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W W^*$ decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	14
325	A search for $\sigma(\text{lepton pair})$ resonances with the ATLAS detector in 2.05 fb of proton-proton collisions at \sqrt{s} . <i>European Physical Journal C</i> , 2012 , 72, 2083	4.2	14
324	Search for $ZH \rightarrow l^+ l^- b\bar{b}$ production in 4.2 fb ⁻¹ of pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 251801	7.4	14
323	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. <i>Physical Review D</i> , 2011 , 84,	4.9	14
322	Search for the standard model Higgs boson in tau final states. <i>Physical Review Letters</i> , 2009 , 102, 251801	7.4	14
321	Measurement of color flow in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	14
320	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. <i>European Physical Journal C</i> , 2010 , 70, 875-916	4.2	14

319	Performance of the ATLAS detector using first collision data. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5-4	14
318	Search for scalar neutrino superpartners in e+mu final states in pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 100, 241803	7-4	14
317	Measurement of the top quark mass in the dilepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 655, 7-14	4-2	14
316	Hadronic shower development in Iron-Scintillator Tile Calorimetry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2000 , 443, 51-70	1-2	14
315	Limits on WW and WWZ couplings from W boson pair production. <i>Physical Review D</i> , 1998 , 58,	4-9	14
314	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
313	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
312	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
311	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 141	4-2	13
310	Search for top-quark decays $t \rightarrow Hq$ with 36 fb of pp collision data at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5-4	13
309	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e\mu$ with the ATLAS detector at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	13
308	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
307	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
306	Addendum to Measurement of the $(t\bar{t})$ production cross-section using (emu) events with b-tagged jets in pp collisions at (\sqrt{s}) = 7 and 8 (TeV) with the ATLAS detector [<i>European Physical Journal C</i> , 2016 , 76, 1	4-2	13
305	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
304	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
303	Search for R-parity-violating supersymmetry in events with four or more leptons in ($\sqrt{s}=7$; TeV) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	13
302	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4-2	13

301	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
300	Measurement of three-jet differential cross sections $d\mathcal{B}_{\text{jet}}/dM_{3\text{jet}}$ in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 434-441	4.2	13
299	Search for a heavy neutral particle decaying into an electron and a muon using 1 fb of ATLAS data. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	13
298	Measurement of tt production in the n -jets topology using pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2010 , 82,	4.9	13
297	Measurement of the ratio of inclusive cross sections $(\sigma_{pp \rightarrow Z+b\text{quark jet}})/(\sigma_{pp \rightarrow Z+\text{jet}})$ at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 83,	4.9	13
296	Search for the decay $b \rightarrow Xs\mu\mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 423, 419-426	4.2	13
295	Search for associated higgs boson production $WH \rightarrow WWW^* \rightarrow \{+/-\nu\ell'+/-\nu\ell'+X$ in pp collisions at square root $s=1.96$ TeV. <i>Physical Review Letters</i> , 2006 , 97, 151804	7.4	13
294	Measurement of the $pp \rightarrow tt+X$ production cross section at $s=1.96$ TeV in the fully hadronic decay channel. <i>Physical Review D</i> , 2007 , 76,	4.9	13
293	First measurement of σ_{had}/s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 632, 167-172	4.2	13
292	Measurement of the ratio of B^+ and B^0 meson lifetimes. <i>Physical Review Letters</i> , 2005 , 94, 182001	7.4	13
291	Ratio of jet cross sections at square root of $s = 630$ GeV and 1800 GeV. <i>Physical Review Letters</i> , 2001 , 86, 2523-8	7.4	13
290	Ratios of multijet Cross Sections in pp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2001 , 86, 1955-60	7.4	13
289	Search for first-generation scalar and vector leptoquarks. <i>Physical Review D</i> , 2001 , 64,	4.9	13
288	Search for top squark pair production in the dielectron channel. <i>Physical Review D</i> , 1998 , 57, 589-593	4.9	13
287	Fluctuations of anisotropic flow in Pb+Pb collisions at $(\sqrt{\langle s_{NN} \rangle}) = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	13
286	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
285	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
284	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

283	Operation and performance of the ATLAS Tile Calorimeter in Run I. <i>European Physical Journal C</i> , 2018 , 78, 987	4.2	13
282	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
281	Measurement of the W W + W Z cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	12
280	Higgs boson production cross-section measurements and their EFT interpretation in the (4ℓ) decay channel at ($\sqrt{s}=13$) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12
279	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
278	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
277	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
276	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
275	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
274	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
273	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	12
272	The differential production cross section of the [Formula: see text](1020) meson in [Formula: see text] = 7 TeV [Formula: see text] collisions measured with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2895	4.2	12
271	Search for Higgs bosons decaying to $\mu\mu$ pairs in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 707, 323-329	4.2	12
270	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
269	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
268	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \mu\mu$ in ($\sqrt{s}=13$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	12
267	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
266	PanDA for ATLAS distributed computing in the next decade. <i>Journal of Physics: Conference Series</i> , 2017 , 898, 052002	0.3	12

265	Scaling up ATLAS production system for the LHC Run 2 and beyond: project ProdSys2. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 062005	0.3	12
264	Measurement of the flavour composition of dijet events in pp collisions at ($\sqrt{s}=7$ mbox{TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	12
263	Measurement of the ZZ production cross section in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	12
262	Measurement of trilinear gauge boson couplings from WW+WZ→l \bar{l} events in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2009 , 80,	4.9	12
261	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. <i>European Physical Journal C</i> , 2010 , 70, 755-785	4.2	12
260	Results from a combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 387, 333-351	1.2	12
259	Search for the standard model Higgs Boson in the pp→ZH→nunu $\bar{b}\bar{b}$ channel. <i>Physical Review Letters</i> , 2006 , 97, 161803	7.4	12
258	Measurement of B(t→Wb)/B(t→Wq) at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 639, 616-622	4.2	12
257	Search for Pair Production of Light Scalar Top Quarks in pp Collisions at $s=1.8$ TeV. <i>Physical Review Letters</i> , 2004 , 93,	7.4	12
256	Search for dilepton signatures from minimal low-energy supergravity in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2001 , 63,	4.9	12
255	Measurement of the W→taunu production cross section in pp collisions at square root $s=1.8$ TeV. <i>Physical Review Letters</i> , 2000 , 84, 5710-5	7.4	12
254	Limits on anomalous WW and WWZ couplings. <i>Physical Review D</i> , 1998 , 58,	4.9	12
253	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
252	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
251	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
250	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13 TeV. <i>European Physical Journal C</i> , 2019 , 79,	4.2	11
249	Measurement of lepton differential distributions and the top quark mass in production in collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 804	4.2	11
248	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	11

247	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
246	The future of PanDA in ATLAS distributed computing. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 062035	0.3	11
245	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
244	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	11
243	Measurement of W and Z production in proton-proton collisions at ($\sqrt{s}=7$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	11
242	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. <i>Physical Review D</i> , 2010 , 82,	4.9	11
241	Measurement of the angular and lifetime parameters of the decays $B_d^0 \rightarrow J/\psi K^*0$ and $B_s^0 \rightarrow J/\psi \phi$. <i>Physical Review Letters</i> , 2009 , 102, 032001	7.4	11
240	Evidence for the decay $B_s^0 \rightarrow D_s^* D_s^*$ and a measurement of $\Delta\Gamma_{CP}/\Gamma_{CP}$. <i>Physical Review Letters</i> , 2009 , 102, 091801	7.4	11
239	Search for neutral Higgs Bosons at high $\tan\beta$ in the $b(h/H/A) \rightarrow b\tau; \{+\}\tau; \{-}\tau$ channel. <i>Physical Review Letters</i> , 2009 , 102, 051804	7.4	11
238	Search for single top quarks in the $\tau + \text{jets}$ channel using 4.8 fb^{-1} of pp collision data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 690, 5-14	4.2	11
237	$ZZ \rightarrow l+l$ production in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2008 , 78,	4.9	11
236	Search for a Higgs boson produced in association with a Z boson in pp collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 655, 209-216	4.2	11
235	Search for excited muons in pp collisions at $s=1.96$ TeV. <i>Physical Review D</i> , 2006 , 73,	4.9	11
234	Search for the rare decay $B_s^0 \rightarrow \mu\mu$ with the D0 detector. <i>Physical Review D</i> , 2006 , 74,	4.9	11
233	Measurement of the lifetime difference in the $B_0(s)$ system. <i>Physical Review Letters</i> , 2005 , 95, 171801	7.4	11
232	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
231	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
230	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

229	Measurement of the CP-violating phase γ_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
228	Search for diboson resonances in hadronic final states in 139 fb ⁻¹ of pp collisions at $(\sqrt{s}) = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
227	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
226	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at \sqrt{s} TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 765	4.2	10
225	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
224	Search for the associated production of a b quark and a neutral supersymmetric Higgs boson that decays into tau pairs. <i>Physical Review Letters</i> , 2010 , 104, 151801	7.4	10
223	Direct measurement of the mass difference between top and antitop quarks. <i>Physical Review Letters</i> , 2009 , 103, 132001	7.4	10
222	Study of the response of the ATLAS central calorimeter to pions of energies from 3 to 9 GeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 607, 372-386	1.2	10
221	Search for neutral minimal supersymmetric standard model Higgs bosons decaying to tau pairs produced in association with b quarks in pp collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 121801	7.4	10
220	Response of the ATLAS Tile calorimeter prototype to muons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1997 , 388, 64-78	1.2	10
219	Search for techniparticles in e+jets events at D0. <i>Physical Review Letters</i> , 2007 , 98, 221801	7.4	10
218	Production of WZ events in pp collisions at square root(s) = 1.96 TeV and limits on anomalous WWZ couplings. <i>Physical Review Letters</i> , 2005 , 95, 141802	7.4	10
217	Search for scalar leptoquarks in the acoplanar jet topology in pp collisions at $s=1.96$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 640, 230-237	4.2	10
216	Search for 3- and 4-body decays of the scalar top quark in pp collisions at $s= 1.8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 581, 147-155	4.2	10
215	Multiple jet production at low transverse energies in pp collisions at $s=1.8$ TeV. <i>Physical Review D</i> , 2003 , 67,	4.9	10
214	Search for leptoquark pairs decaying into $\nu\nu$ +jets in pp collisions at square root[s] = 1.8 TeV. <i>Physical Review Letters</i> , 2002 , 88, 191801	7.4	10
213	Measurement of the ZZ production cross section in proton-proton collisions at $(\sqrt{s}=8)$ TeV using the ZZ $\rightarrow \mu\mu$ and $(ZZ \rightarrow \mu\mu \nu \bar{\nu})$ decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	9
212	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

211	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
210	Direct measurement of the W boson width. <i>Physical Review Letters</i> , 2009 , 103, 231802	7.4	9
209	Search for associated Higgs boson production using like charge dilepton events in pp collisions at s=1.96 TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	9
208	Evolution of the ATLAS PanDA Production and Distributed Analysis System. <i>Journal of Physics: Conference Series</i> , 2012 , 396, 032071	0.3	9
207	Combined performance studies for electrons at the 2004 ATLAS combined test-beam. <i>Journal of Instrumentation</i> , 2010 , 5, P11006-P11006	1	9
206	Search for new physics using QUAERO: a general interface to D0 event data. <i>Physical Review Letters</i> , 2001 , 87, 231801	7.4	9
205	Measurement of the angular distribution of electrons from W→e $\bar{\nu}$ decays observed in pp collisions at s=1.8 TeV. <i>Physical Review D</i> , 2001 , 63,	4.9	9
204	Limits on quark compositeness from high energy jets in p \bar{p} collisions at 1.8 TeV. <i>Physical Review D</i> , 2000 , 62,	4.9	9
203	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
202	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4(e ℓ) decay channel at (\sqrt{s}) = 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
201	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
200	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
199	Measurement of V _H , (\mathbf{H})to $\mathbf{b}\overline{\mathbf{b}}$ 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
198	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
197	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
196	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
195	Search for scalar resonances decaying into $\mu\mu$ events with and without b-tagged jets produced in proton-proton collisions at (\sqrt{s})=13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
194	Next Generation PanDA Pilot for ATLAS and Other Experiments. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032071	0.3	8

193	Measurement of splitting scales in \rightarrow events at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2432	4.2	8
192	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text][Formula: see text][Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017 , 77, 144	4.2	8
191	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
190	2017 ,		8
189	The ATLAS Event Service: A new approach to event processing. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 062065	0.3	8
188	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
187	The ATLAS PanDA Pilot in Operation. <i>Journal of Physics: Conference Series</i> , 2011 , 331, 062040	0.3	8
186	Search for new fermions ("quirks") at the Fermilab Tevatron collider. <i>Physical Review Letters</i> , 2010 , 105, 211803	7.4	8
185	Search for the standard model Higgs boson in the $H \rightarrow WW \rightarrow l\bar{l}q$ decay channel. <i>Physical Review Letters</i> , 2011 , 106, 171802	7.4	8
184	Study of the decay $B_s(0) \rightarrow D_s(*)D_s(*)$. <i>Physical Review Letters</i> , 2007 , 99, 241801	7.4	8
183	Search for a heavy resonance decaying into a Z+jet final state in pp collisions at $\sqrt{s}=1.96$ TeV using the D0 detector. <i>Physical Review D</i> , 2006 , 74,	4.9	8
182	Limits on anomalous trilinear gauge couplings from $WW \rightarrow e+e$ and $WW \rightarrow e\mu$ events from pp collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2006 , 74,	4.9	8
181	Search for R-parity violation in multilepton final states in pp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 2000 , 62,	4.9	8
180	Search for heavy W bosons in 1.8 TeV collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 358, 405-411	4.2	8
179	Evidence for $(t\bar{t})$ 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
178	Search for light long-lived neutral particles produced in pp collisions at $(\sqrt{s} = 13 \text{ TeV})$ and decaying into collimated leptons or light hadrons with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
177	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
176	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

175	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
174	Search for heavy resonances decaying into a pair of Z bosons in the ($\ell^+ \ell^- \ell'^+ \ell'^-$) and ($\ell^+ \ell^- \nu \bar{\nu}$) final states using 139 (fb^{-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
173	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
172	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
171	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
170	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
169	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
168	Measurements of inclusive and differential fiducial cross-sections of ($\bar{t}\gamma$) production in leptonic final states at (\sqrt{s}) = 13 TeV in ATLAS. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
167	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (\sqrt{s}) = 13 TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
166	Transverse momentum and process dependent azimuthal anisotropies in (\sqrt{s}) = 8.16 TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	7
165	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 102	4.2	7
164	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
163	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
162	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at (\sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
161	Task Management in the New ATLAS Production System. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 032078	0.3	7
160	Measurement of the ($\bar{t}\gamma$) 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
159	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
158	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

157	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
156	Studies of $Z\bar{\nu}$ 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
155	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
154	Integrating network and transfer metrics to optimize transfer efficiency and experiment workflows. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 052003	0-3	7
153	High mass exclusive diffractive dijet production in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 193-199	4-2	7
152	Search for squark production in events with jets, hadronically decaying tau leptons and missing transverse energy at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009 , 680, 24-33	4-2	7
151	Search for single production of scalar leptoquarks in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 647, 74-81	4-2	7
150	Double spin asymmetries . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007 , 647, 98-103	4-2	7
149	Evidence of color coherence effects in W +jets events from collisions at TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 464, 145-155	4-2	7
148	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
147	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($\sqrt{s} = 13$, {text {TeV}}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4-2	7
146	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the ($\ell\ell$ bb) and ($\ell\ell$ WW) final states in pp collisions at ($\sqrt{s}=13$) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4-2	7
145	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016 , 76, 670	4-2	7
144	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
143	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
142	Measurement of ($W^{\pm}p$) boson production in Pb+Pb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5.02~text {TeV}text {V}) with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4-2	7
141	Harvester : an edge service harvesting heterogeneous resources for ATLAS. <i>EPJ Web of Conferences</i> , 2019 , 214, 03030	0-3	7
140	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

139	Measurements of WH and ZH production in the (H \rightarrow $\bar{b}b$) decay channel in pp collisions at (\sqrt{s}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
138	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
137	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
136	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
135	Top-quark mass measurement in the all-hadronic ($\bar{t}t$) decay channel at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	6
134	Measurement of the ratio of differential cross sections for W and Z boson production as a function of transverse momentum in pp collisions at \sqrt{s} = 1.8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 299-308	4.2	6
133	Search for ($\bar{t}t$) 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
132	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
131	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
130	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
129	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
128	Search for exclusive Higgs and Z boson decays to $\tau\tau$ and $\tau\nu$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	6
127	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
126	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
125	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
124	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
123	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
122	Model independent search for new phenomena in pp collisions at \sqrt{s} = 1.96 TeV. <i>Physical Review D</i> , 2012 , 85,	4.9	5

121	A novel method for modeling the recoil in W boson events at hadron colliders. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 609, 250-262	1.2	5
120	Hadron energy reconstruction for the ATLAS calorimetry in the framework of the non-parametrical method ATLAS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 480, 508-523	1.2	5
119	Search for anomalous heavy-flavor quark production in association with W bosons. <i>Physical Review Letters</i> , 2005 , 94, 152002	7.4	5
118	Search for R-parity violating supersymmetry in two-muon and four-jet topologies. <i>Physical Review Letters</i> , 2002 , 89, 171801	7.4	5
117	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
116	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
115	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
114	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
113	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
112	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
111	Measurement of the relative width difference of the $(\overline{B}^0 \text{ } B^0)$ system with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	5
110	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
109	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
108	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
107	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
106	Measurement of jet activity in top quark events using the e^+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
105	Fine grained event processing on HPCs with the ATLAS Yoda system. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 092025	0.3	4
104	Multilevel Workflow System in the ATLAS Experiment. <i>Journal of Physics: Conference Series</i> , 2015 , 608, 012015	0.3	4

103	Relative rates of B meson decays into $\psi(2S)$ and J/ψ mesons. <i>Physical Review D</i> , 2009 , 79,	4.9	4
102	PD2P: PanDA Dynamic Data Placement for ATLAS. <i>Journal of Physics: Conference Series</i> , 2012 , 396, 0320703	0.3	4
101	Search for particles decaying into a Z boson and a photon in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006 , 641, 415-422	4.2	4
100	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
99	Alignment of the ATLAS Inner Detector in Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
98	Measurement of J/ψ production in association with a W^\pm boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	4
97	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
96	The Data Ocean Project. <i>EPJ Web of Conferences</i> , 2019 , 214, 04020	0.3	4
95	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at ($\sqrt{s}=13$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4
94	Search for dark matter produced in association with a single top quark in ($\sqrt{s}=13$) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4
93	Search for dijet resonances in events with an isolated charged lepton using (\sqrt{s}) = 13 TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
92	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at ($\sqrt{s}=8$) and 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
91	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018 , 78, 163	4.2	3
90	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13$ TeV with the ATLAS experiment at the LHC. <i>European Physical Journal C</i> , 2019 , 79,	4.2	3
89	Measurement of the k_t splitting scales in $Z \rightarrow \ell\bar{\ell}$ events in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	3
88	Integration of Titan supercomputer at OLCF with ATLAS Production System. <i>Journal of Physics: Conference Series</i> , 2017 , 898, 092002	0.3	3
87	PanDA: Evolution and Recent Trends in LHC Computing. <i>Procedia Computer Science</i> , 2015 , 66, 439-447	1.6	3
86	Exploiting Virtualization and Cloud Computing in ATLAS. <i>Journal of Physics: Conference Series</i> , 2012 , 396, 032011	0.3	3

85	Mechanical construction and installation of the ATLAS tile calorimeter. <i>Journal of Instrumentation</i> , 2013 , 8, T11001-T11001	1	3
84	A Probabilistic Analysis of Data Popularity in ATLAS Data Caching. <i>Journal of Physics: Conference Series</i> , 2012 , 396, 032106	0.3	3
83	Evaluation of Fermi read-out of the Atlas Tilecal prototype. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1998 , 403, 98-114	1.2	3
82	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector 2015 , 75, 1		3
81	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider 2015 , 75, 1		3
80	Measurement of K_S^0 and Λ^0 production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	3
79	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
78	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
77	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
76	Managing the ATLAS Grid through Harvester. <i>EPJ Web of Conferences</i> , 2020 , 245, 03010	0.3	3
75	Using Kubernetes as an ATLAS computing site. <i>EPJ Web of Conferences</i> , 2020 , 245, 07025	0.3	3
74	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
73	The Future of Distributed Computing Systems in ATLAS: Boldly Venturing Beyond Grids. <i>EPJ Web of Conferences</i> , 2019 , 214, 03047	0.3	3
72	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
71	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	2
70	Measurement of the $Z \rightarrow \mu\mu$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
69	Integration of Russian Tier-1 Grid Center with High Performance Computers at NRC-KI for LHC experiments and beyond HENP. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 092018	0.3	2
68	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	2

67	Integration of PanDA workload management system with Titan supercomputer at OLCF. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 092020	0.3	2
66	The optical instrumentation of the ATLAS Tile Calorimeter. <i>Journal of Instrumentation</i> , 2013 , 8, P01005-P01005		
65	Search for minimal supergravity in single-electron events with jets and large missing transverse energy in pp collisions at $\sqrt{s}=1.8\text{TeV}$. <i>Physical Review D</i> , 2002 , 66,	4.9	2
64	Measurement of the (\overline{t}) production cross-section using $(e\mu)$ events with (b) -tagged jets in (pp) collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector 2014 , 74, 1		2
63	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $(\sqrt{s}=8\sim)$ TeV with the ATLAS detector 2015 , 75, 1		2
62	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $(\sqrt{s} = 13\text{TeV})$ proton-proton collision data. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
61	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $(\sqrt{s}) = 13\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
60	Measurement of the inclusive isolated-photon cross section in pp collisions at $(\sqrt{s}) = 13\text{TeV}$ using 36 fb of ATLAS data. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
59	Measurements of inclusive and differential cross-sections of combined $(\overline{t}\gamma)$ and tW production in the $e\ell$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
58	Measurement of isolated-photon plus two-jet production in pp collisions at $(\sqrt{s}) = 13\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
57	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
56	Search for supersymmetry in events with four or more charged leptons in 139 fb of $(\sqrt{s}) = 13\text{TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
55	PanDA: Exascale Federation of Resources for the ATLAS Experiment at the LHC. <i>EPJ Web of Conferences</i> , 2016 , 108, 01001	0.3	2
54	Measurement of ZZ production in the final state with the ATLAS detector in pp collisions at $(\sqrt{s}) = 13\text{TeV}$. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
53	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
52	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $(\sqrt{s}) = 13\text{TeV}$ using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
51	Integration of Panda Workload Management System with supercomputers. <i>Physics of Particles and Nuclei Letters</i> , 2016 , 13, 647-653	0.5	1
50	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. <i>New Journal of Physics</i> , 2016 , 18, 073021	2.9	1

49	Photon reconstruction in the ATLAS Inner Detector and Liquid Argon Barrel Calorimeter at the 2004 Combined Test Beam. <i>Journal of Instrumentation</i> , 2011 , 6, P04001-P04001	1	1
48	Search for the standard model Higgs boson in the missing energy and acoplanar b-jet topology at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008 , 101, 251802	7.4	1
47			
46	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector 2015 , 75, 1		1
45	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
44	Measurement of the W-boson mass in pp collisions at ($\sqrt{s}=7, \text{TeV}$) with the ATLAS detector 2018 , 78, 1		1
43	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ($\sqrt{s}=13, \text{TeV}$) 2018 , 78, 1		1
42	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
41	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 2018 , 2018, 1		1
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	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
32	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

31	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
30	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
29	Performance of the ATLAS Level-1 topological trigger in Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
28	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
27	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
26	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
25	Measurements of $W+W$ jet production cross-sections in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
24	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13 \text{ TeV}$. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
23	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
22	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	0
21	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 $\sqrt{s} = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
20	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
19	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \tau \rightarrow \pi \nu_{\tau} \nu_{\tau}$ events in Run 2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	0
18	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
17	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
16	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
15	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi$ in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
14	Enabling Data Intensive Science on Supercomputers for High Energy Physics R&D Projects in HL-LHC Era. <i>EPJ Web of Conferences</i> , 2020 , 226, 01007	0.3	

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| 13 | HEP Computing Tools, Grid and Supercomputers for Genome Sequencing Studies. <i>Journal of Physics: Conference Series</i> , 2017 , 898, 052018 | 0.3 |
| 12 | Workload Management Portal for High Energy Physics Applications and Compute Intensive Science. <i>Procedia Computer Science</i> , 2015 , 66, 564-573 | 1.6 |
| 11 | Big Data Processing in the ATLAS Experiment: Use Cases and Experience. <i>Procedia Computer Science</i> , 2015 , 66, 609-618 | 1.6 |
| 10 | gLExec Integration with the ATLAS PanDA Workload Management System. <i>Journal of Physics: Conference Series</i> , 2015 , 664, 062022 | 0.3 |
| 9 | ATLAS Distributed Computing Operations Shift Team Experience. <i>Journal of Physics: Conference Series</i> , 2011 , 331, 072045 | 0.3 |
| 8 | A layer correlation technique for pion energy calibration at the 2004 ATLAS Combined Beam Test. <i>Journal of Instrumentation</i> , 2011 , 6, P06001-P06001 | 1 |
| 7 | Recent Improvements in the ATLAS PanDA Pilot. <i>Journal of Physics: Conference Series</i> , 2012 , 396, 032080 | 0.3 |
| 6 | Experience with ATLAS MySQL PanDA database service. <i>Journal of Physics: Conference Series</i> , 2010 , 219, 042059 | 0.3 |
| 5 | The DØ Detector at Fermilab. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1995 , 99, 661-664 | 1.2 |
| 4 | Search for anomalous particles in high-energy hadron-proton interactions. <i>Physical Review D</i> , 1987 , 35, 3297-3309 | 4.9 |
| 3 | Accelerating Science Impact through Big Data Workflow Management and Supercomputing. <i>EPJ Web of Conferences</i> , 2016 , 108, 01003 | 0.3 |
| 2 | A study of the applicability of recommender systems for the Production and Distributed Analysis system PanDA of the ATLAS Experiment. <i>Journal of Physics: Conference Series</i> , 2018 , 1085, 042028 | 0.3 |
| 1 | The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1 | 4.2 |