

Masahiro Kuze

List of Publications by Year in descending order

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Version: 2024-02-01

615
papers

30,717
citations

4960

84
h-index

11052

137
g-index

647
all docs

647
docs citations

647
times ranked

11583
citing authors

#	ARTICLE	IF	CITATIONS
1	Indication of Reactor $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mover accent="true"} \langle \text{mml:mi} \rangle \hat{1}/2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\wedge} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:math} \rangle \text{Disappea$	7.8	979
2	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
3	Combined measurement and QCD analysis of the inclusive $e^{\pm} p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	458
4	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 292.	3.9	453
5	Combination of measurements of inclusive deep inelastic $e^{\pm} p$ scattering cross sections and QCD analysis of HERA data. European Physical Journal C, 2015, 75, 1.	3.9	383
6	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
7	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
8	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
9	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 581.	3.9	298
10	Luminosity determination in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
11	Reactor $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mover accent="true"} \langle \text{mml:mi} \rangle \hat{1}/2 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\wedge} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:math} \rangle \text{disappea$	4.7	275
12	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	3.9	274
13	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
14	Construction and beam test of the ZEUS forward and rear calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 309, 101-142.	1.6	259
15	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
16	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248
17	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
18			

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19	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ with ATLAS. European Physical Journal C, 2012, 72, 1.	3.9	230
20	Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
21	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	3.9	213
22	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	3.9	209
23	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	3.9	204
24	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8\text{ TeV}$ in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
25	Improved measurements of the neutrino mixing angle $\hat{\theta}_{13}$ with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
26	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. European Physical Journal C, 2018, 78, 903.	3.9	181
27	Luminosity determination in pp collisions at $\sqrt{s} = 7\text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
28	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
29	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
30	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
31	Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
32	Search for $\langle \text{math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">C \rangle P$ Violation in Neutrino and Antineutrino Oscillations by the T2K Experiment with $\langle \text{math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">2.2 \rangle \text{Å}$ Protons on Target. Physical Review Letters, 2018, 121, 171802.	7.8	165
33	Measurement of the proton structure function F_2 at very low Q^2 at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 53-73.	4.1	155
34	Measurement of the transverse momentum and ϕ^*_{η} distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
35	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2011, 71, 1.	3.9	146
36	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145

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37	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
38	Precision measurement and interpretation of inclusive W^+W^+ , W^-W^- . European Physical Journal C, 2017, 77, 367.	3.9	145
39	Measurement of the $t\bar{t}\hat{A}^-$ production cross-section using $W e \hat{A}^-$ events with b -tagged jets in pp collisions at $\sqrt{s}=7$ and $8\hat{A}TeV$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
40	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. Physical Review D, 2003, 67, .	4.7	139
41	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	3.9	138
42	Measurement of the F_2 structure function in deep inelastic $e p$ scattering using 1994 data from the ZEUS detector at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 399-424.	1.5	137
43	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	137
44	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	136
45	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	3.9	134
46	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13,ext \{TeV\}$ $s = 13$ TeV. European Physical Journal C, 2018, 78, 199.	3.9	132
47	Measurement of the Z/\hat{A}^* boson transverse momentum distribution in pp collisions at $s = 7$ $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
48	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13\hat{A}TeV$. European Physical Journal C, 2019, 79, 1.	3.9	130
49	Measurement of the proton structure function F_2 and at low and very low x at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 432-448.	4.1	129
50	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $s = 8$ $\sqrt{s}=8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	128
51	Search for charged Higgs bosons decaying via $H \hat{A}^\pm \rightarrow \tau^+ \hat{A}^\pm \tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7;TeV$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
52	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13\hbox{TeV}$ $s = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	3.9	125
53	Atmospheric neutrino oscillation analysis with external constraints in Super-Kamiokande I-IV. Physical Review D, 2018, 97, .	4.7	124
54	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13\hat{A}TeV$ pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	124

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55	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $\bar{b}b$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123

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73	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	3.9	95
74	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93
75	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
76	production in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 402-418.	4.1	91
77	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
78	Search for the $b\bar{b}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
79	The Large Hadron-Electron Collider at the HL-LHC. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 110501.	3.6	89
80	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$; $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
81	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
82	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
83	Measurement of multi-particle azimuthal correlations in pp, pPb and low-multiplicity PbPb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	3.9	86
84	First measurement of $\langle \cos(\phi_1 - \phi_2) \rangle$ from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
85	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	84
86	Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of Γ_{had} . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 547, 164-180.	4.1	83
87	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82
88	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	82
89	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
90	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81

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91	Search for dark matter at $\sqrt{s}=13\text{ TeV}$ in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80
92	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
93	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	79
94	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	3.9	79
95	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
96	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
97	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
98	Physics potentials with the second Hyper-Kamiokande detector in Korea. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	77
99	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 1.	3.9	77
100	Angular analysis of $B_0 \rightarrow \bar{K}^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	76
101	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75
102	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s}=5.02\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
103	Search for resonant diboson production in the pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
104	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	73
105	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
106	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73
107	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	3.9	73
108	Search for supersymmetry at $\sqrt{s}=13\text{ TeV}$ in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	3.9	72

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109	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
110	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
111	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
112	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	3.9	71
113	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70
114	Search for resonances in diphoton events at $s = 13 \sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
115	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \bar{\nu}_\tau$ in fully hadronic final states using pp collision data at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
116	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
117	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	68
118	Measurement of charged-particle spectra in Pb+Pb collisions at $s_{NN} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	67
119	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67
120	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	67
121	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s = 8 \sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66
122	A search for $t \bar{t} \rightarrow \text{resonances}$ using lepton-plus-jets events in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
123	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
124	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
125	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
126	Observation and measurements of the production of prompt and non-prompt Υ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	3.9	64

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127	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
128	Improved constraints on neutrino mixing from the T2K experiment with $\langle \theta_{13} \rangle = 3.13^\circ$ on target. Physical Review D, 2021, 103, .	4.7	64
129	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	64
130	Measurement of the diffractive structure function $F_2^D(4)$ at HERA. European Physical Journal C, 1998, 1, 81-96.	3.9	63
131	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
132	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
133	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	3.9	62
134	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
135	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
136	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	3.9	61
137	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	3.9	61
138	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
139	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61
140	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
141	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
142	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
143	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $e^+e^- \rightarrow u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
144	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60

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145	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	3.9	60
146	Measurement of $W \hat{\pm} Z$ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
147	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	59
148	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. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
149	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
150	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	3.9	59
151	Search for charged Higgs bosons decaying via $H \hat{\pm} \tau^+ \bar{\nu}_\tau$, $H \hat{\pm} \tau^+ \bar{\nu}_\tau$, in the τ^+, jets and τ^+, lepton final states with 36 fb $^{-1}$ of pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	4.7	59
152	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
153	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
154	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
155	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	3.9	56
156	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
157	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	56
158	Search for direct top squark pair production in events with a Z boson, b -jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
159	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	4.7	55
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401	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. European Physical Journal C, 2021, 81, 1.	3.9	18
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