

Rena Ciftci

List of Publications by Year in descending order

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Version: 2024-02-01

405
papers

33,777
citations

3933

88
h-index

5394

164
g-index

408
all docs

408
docs citations

408
times ranked

11913
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	4.1	6,386
2	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
3	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	7.8	581
4	Observation of Associated Near-Side and Away-Side Long-Range Correlations in Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302.	7.8	581
5	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 075001.	3.6	406
6	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	2.9	365
7	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
8	Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	307
9	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	2.9	314
10	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	4.1	307
11	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	4.1	295
12	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
13	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
14	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
15	Search for high-mass dilepton resonances in pp collisions at the ATLAS detector. Physical Review D, 2014, 90, .	4.7	237
16			

#	ARTICLE	IF	CITATIONS
19	Measurement of the Higgs boson production in the diphoton decay channel in $\sqrt{s}=7$ TeV collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2014, 90, .	4.7	227
20	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 $\sqrt{s}=7$ 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	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	4.1	195
25	Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
26	Measurement of the Higgs boson mass from the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	176
27	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
28	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
29	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with the ATLAS detector using 36.1 fb ⁻¹ of $\sqrt{s}=7$ TeV collision data. Physical Review Letters, 2012, 109, 111803.	7.8	171
30	Measurement with the ATLAS detector of multi-particle azimuthal correlations in $\sqrt{s}=7$ TeV collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, .	4.1	169
31	Measurement of the differential cross-sections of inclusive, prompt and non-prompt Higgs boson production in proton-proton collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	7.8	168
32	Measurement of the inelastic proton-proton cross-section at $\sqrt{s}=7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	2.5	163
33	Measurement of the inclusive Higgs boson production and couplings in the four-lepton channel in $\sqrt{s}=7$ TeV collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, .	12.8	160
34	Measurements of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	4.7	158
35	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	2.5	155

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37	Measurement of hard double-parton interactions in $W(\hat{a}, \hat{a}^{\dagger}) + 2$ -jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	2.9	147
38	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	146
39	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
40	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $pp \rightarrow s + \dots$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	4.7	145
41	Measurement of the $t\bar{t} + \hat{a}$ production cross-section using $e\bar{e} + 1/4$ events with b -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
42	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
43	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in $pp \rightarrow \dots$ collisions. Physical Review Letters, 2011, 106, 131802.	7.8	136
44	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2012, 86, .	4.7	135
45	Measurements of the Nuclear Modification Factor for Jets in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 131802.	7.8	135
46	Measurement of event-plane correlations in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 131802.	7.9	134
47	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 131802.	7.8	134
48	Measurement of the $Z/\hat{a}^* + b$ boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
49	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. Physical Review Letters, 2014, 112, .	7.8	130
50	Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	7.8	129
51	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	128
52	Search for charged Higgs bosons decaying via $H \rightarrow \hat{a} + \hat{a}^{\dagger} + 1/2$ 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
53	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 131802.	4.7	126
54	Evidence for Electroweak Production of $W + \dots$ in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 131802.	7.8	123

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55	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	3.9	121
56	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV at the ATLAS detector. Physical Review D, 2011, 83, .	4.7	121
57			

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73	Continued search for the Standard Model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV lead collisions at $\sqrt{s} = 7$ TeV. Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 294-317.	4.7	109
74	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 294-317.	4.1	107
75	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 294-317.	3.9	105
76	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s} = 2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	7.8	105
77	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b -jets in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
78	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	3.9	101
79	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	100
80	Search for Higgs Boson Pair Production in the $b\bar{b}$ Final State Using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.	7.8	98
81	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	3.9	95
82	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow Z\gamma$. Centrality and rapidity dependence of inclusive jet production in pp collisions at $\sqrt{s} = 7$ TeV. Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	4.7	93
83	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
84	Observation of a New State in Radiative Transitions to γ . Search for the Standard Model Higgs boson in the decay channel $H \rightarrow Z\gamma$. Centrality and rapidity dependence of inclusive jet production in pp collisions at $\sqrt{s} = 7$ TeV. Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	7.8	90
85	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	4.7	90
86	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
87	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
88	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

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91	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
92	Observation of an Excited B_c State with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	8.2	82
93	Search for Dilepton Resonances in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	7.8	81
94	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
95	Measurement of $t\bar{t}$ Events from $t\bar{t}$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 132001.	7.8	80
96	Measurement of ϵ production in 7 TeV collisions at ATLAS. Physical Review D, 2013, 87.	4.7	78
97	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-150.	4.7	78
98	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
99	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
100	Measurement of W^+W^- production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 211803.	4.7	76
101	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum Using 7 TeV of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	4.7	75
102	Search for new physics in the dijet mass distribution using 1 fb^{-1} of pp collision data at $\sqrt{s}=7$ TeV collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	4.7	75
103	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. Science, 2012, 338, 1576-1582.	12.6	74
104	Search for resonant diboson production in the $q\bar{q}$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
105	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	73
106	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
107	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.	4.7	73
108	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

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109	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 223-242.	4.7	71
110	Measurement of the high-mass Drell-Yan differential cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 223-242.	4.7	71
111	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.	4.7	70
112	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0, \tilde{\chi}_1^{\pm} \tilde{\chi}_2^0$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	70
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	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.	4.1	69
115	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0, \tilde{\chi}_1^{\pm} \tilde{\chi}_2^0$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
116	Comprehensive measurements of t -channel single top-quark production cross sections at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2014, 90, .	4.7	68
117	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
118	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	4.1	67
119	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66
120	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
121	Measurement of the $W \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0, \tilde{\chi}_1^{\pm} \tilde{\chi}_2^0$ and $Z \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0, \tilde{\chi}_1^{\pm} \tilde{\chi}_2^0$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
122	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
123	Production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	64
124	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.	7.8	63
125	Measurement of Z-Boson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	7.8	63
126	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62

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127	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61
128	Measurement of Dijet Azimuthal Decorrelations in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 106, 172002.	7.8	61
129	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 181802.	7.8	61
130	Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 251801.	7.8	61
131	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
132	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
133	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
134	Measurement of WZ and $W\tilde{\chi}^0$ production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	60
135	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
136	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-proton collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
137	Search for the decay $B \rightarrow \mu^+ \mu^-$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	4.1	59
138	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
139	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
140	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.	7.8	59
141	Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. Journal of Instrumentation, 2013, 8, P07004-P07004.	1.2	59
142	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
143	Search for direct top-quark 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
144	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	4.1	58

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145	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	4.1	58
146	Measurement of the transverse momentum distribution of Higgs bosons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2014, 89.	4.7	58
147	Search for a dark photon in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	3.9	58
148	Search for a dark photon in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	4.1	57
149	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in pp collisions using 1 of ATLAS data. Physical Review D, 2012, 85, .	4.7	57
150	Search for long-lived stopped hadrons decaying out of time with the ATLAS detector. Physical Review D, 2013, 88, .	7.8	57
151	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
152	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 222-242.	7.8	57
153	Search for long-lived stopped hadrons decaying out of time with the ATLAS detector. Physical Review D, 2013, 88, .	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.	4.1	57
155	Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 68-86.	3.9	56
156	Search for the Standard Model Higgs boson decay to $\tau\tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 68-86.	4.7	55
157	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 294-312.	4.7	55
158	Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 294-312.	3.9	55
159	Search for Supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letter	4.1	54

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163	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
164	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
165	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. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
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308	A study of the material in the ATLAS inner detector using secondary hadronic interactions. Journal of Instrumentation, 2012, 7, P01013-P01013.	1.2	23
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310	Search for excited electrons and muons in $\sqrt{s}=8$ TeV proton-proton collisions with the ATLAS detector. New Journal of Physics, 2013, 15, 093011.	2.9	23
311	A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	3.9	23
312	Measurement of the underlying event in jet events from $7 \leq \sqrt{s} \leq 8$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	3.9	23
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314	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \tau^+ \tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	4.1	22
315	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	22
316	Search for new phenomena in the final state in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
317	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	3.9	22
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320	Measurement of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, 034004.	4.7	21
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322	Measurement of the production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	4.1	21
323	Measurement of the production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	4.1	21
324	Measurement of τ , polarization in $W \rightarrow \tau \nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s}=7-8$ TeV. European Physical Journal C, 2012, 72, 2062.	3.9	21

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326	Measurement of the production cross-section of $\tilde{\chi}^0(2S) \rightarrow \tilde{\chi}^0 + \tilde{\chi}^{\pm}$ in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
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328	Measurement of the production cross section in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.1	20
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333	Measurement of k_T splitting scales in $W\tilde{\chi}^0$ events at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
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336	Measurement of $W\tilde{\chi}^0$ and $Z\tilde{\chi}^0$ production cross sections in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69.	4.7	18
337	Search for resonant diboson production in the $WZ\tilde{\chi}^0$ decay channels with the ATLAS detector at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, 012001.	4.7	18
338	Measurement of the transverse polarization of $\tilde{\chi}^0$ and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69.	4.7	18
339	Search for pair production of first or second generation leptoquarks in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, 012001.	4.7	17
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344	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
345	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
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347	Search for resonant top quark plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .	4.7	16
348	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	16
349	Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	16
350	Search for a heavy Standard Model Higgs boson in the channel $ZZ \rightarrow \mu\mu\mu\mu$ using final states with leptons and jets with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	16
351	Search for a heavy Standard Model Higgs boson in the channel $ZZ \rightarrow \mu\mu\mu\mu$ using final states with leptons and jets with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.7	16
352	Monitoring and data quality assessment of the ATLAS liquid argon calorimeter. Journal of Instrumentation, 2014, 9, P07024-P07024.	1.2	16
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354	Simultaneous measurements of the top quark mass and the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.7	16
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358	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	15
359	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. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
360	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	3.9	15

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362	Search for a multi-Higgs-boson cascade in $\langle mml:mrow \langle mml:msup \langle mml:mrow \langle mml:mi W \langle mml:mi \rangle \langle mml:mrow \langle mml:mo \rangle + \langle mml:mo \rangle \langle mml:mo \rangle \langle mml:mo \rangle \rangle \rangle \rangle$ with the ATLAS detector in $\langle mml:mrow \langle mml:msup \langle mml:mrow \langle mml:mi W \langle mml:mi \rangle \langle mml:mrow \langle mml:mo \rangle + \langle mml:mo \rangle \langle mml:mo \rangle \langle mml:mo \rangle \rangle \rangle \rangle$ with the ATLAS detector in $\langle mml:mrow \langle mml:msup \langle mml:mrow \langle mml:mi W \langle mml:mi \rangle \langle mml:mrow \langle mml:mo \rangle + \langle mml:mo \rangle \langle mml:mo \rangle \langle mml:mo \rangle \rangle \rangle \rangle$. Physical Review D, 2014, 89, .	4.7	15
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365	Search for excited leptons in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	4.7	14
366	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 111801. $\langle mml:mrow \langle mml:msup \langle mml:mrow \langle mml:mi s \langle mml:mi \rangle \langle mml:mrow \langle mml:mo \rangle = \langle mml:mo \rangle \langle mml:mn 7 \langle mml:mn \rangle \langle mml:mtext \rangle \rangle \rangle \rangle \rangle$	4.1	14
367	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 111801. $\langle mml:mrow \langle mml:msup \langle mml:mrow \langle mml:mi s \langle mml:mi \rangle \langle mml:mrow \langle mml:mo \rangle = \langle mml:mo \rangle \langle mml:mn 7 \langle mml:mn \rangle \langle mml:mtext \rangle \rangle \rangle \rangle \rangle$	4.1	14
368	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	14
369	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	4.7	14
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372	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	13
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390	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at s _s = 8 TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	9
391	Search for a Standard Model Higgs boson in the mass range 130-180 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 40-58.	4.1	8
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394	Search for contact interactions in dimuon events from pp collisions at s _s = 8 TeV with the ATLAS detector. Physical Review D, 2011, 84, .	4.7	6
395	Search for contact interactions in dimuon events from pp collisions at s _s = 8 TeV with the ATLAS detector. Physical Review D, 2011, 84, .	4.7	6

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