

Sonia Kabana

List of Publications by Year in descending order

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669
papers

50,578
citations

1704

104
h-index

2332

199
g-index

679
all docs

679
docs citations

679
times ranked

13783
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	Experimental and theoretical challenges in the search for the quark-gluon plasma: The STAR Collaboration's critical assessment of the evidence from RHIC collisions. Nuclear Physics A, 2005, 757, 102-183.	1.5	2,780
3	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	1.2	1,752
4	Systematic measurements of identified particle spectra in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	714
5	Transverse-Momentum and Collision-Energy Dependence of High-pT Hadron Suppression in Au+Au Collisions at Ultrarelativistic Energies. Physical Review Letters, 2003, 91, 172302.	7.8	614
6	Global Λ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
7	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
8	Azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2005, 72, .	2.9	520
9	Evidence from Au+Au Measurements for Final-State Suppression of High-pT Hadrons in Au+Au Collisions at RHIC. Physical Review Letters, 2003, 91, 072304.	7.8	517
10	Particle-Type Dependence of Azimuthal Anisotropy and Nuclear Modification of Particle Production in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 92, 052302.	7.8	477
11	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2005, 95, 152301.	7.8	445
12	Observation of Associated Near-Side and Away-Side Long-Range Correlations in Au+Au Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302.	7.8	431
13	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
14	Transverse Momentum and Centrality Dependence of High-pT Nonphotonic Electron Suppression in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	379
15	Identified Particle Distributions in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368
16	Measurement of the azimuthal anisotropy for charged particle production in Au+Au lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	2.9	365
17	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
18	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

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19	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. <i>Physical Review C</i> , 2017, 96, .	2.9	357
20	Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 710, 49-66.	7.8	245
21	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011, 13, 053033.	2.9	314
22	Antihelium-3 production in lead-lead collisions at $158 \text{ AGeV}/c$. <i>New Journal of Physics</i> , 2003, 5, 1-1.	2.9	313
23	Higher Moments of Net Proton Multiplicity Distributions at RHIC. <i>Physical Review Letters</i> , 2010, 105, 022302.	7.8	278
24	Strange particle production in pp collisions at $\sqrt{s} = 200 \text{ GeV}$. <i>Physical Review C</i> , 2007, 75, .	2.9	267
25	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. <i>Physical Review C</i> , 2010, 81, .	2.9	263
26	Identified Baryon and Meson Distributions at Large Transverse Momenta from Au+Au Collisions at $\sqrt{s_{NN}} = 200 \text{ GeV}$. <i>Physical Review Letters</i> , 2006, 97, 152301.	7.8	261
27	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	259
28	Observation of an Antimatter Hypernucleus. <i>Science</i> , 2010, 328, 58-62.	12.6	249
29	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}} = 200 \text{ GeV}$. <i>Physical Review C</i> , 2005, 71, .	2.9	248
30	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	248
31	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , 2014, 113, 092301.	7.8	245
32			

#	ARTICLE	IF	CITATIONS
37	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 92, 171801.	7.8	220
38	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
39	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
40	Global polarization of hyperons in Au + Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review C, 2018, 98, .	2.9	205
41	Open Charm Yields and Azimuthal Anisotropy in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 062301.	7.8	201
42	Identified particle production, azimuthal anisotropy, and interferometry measurements in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2013, 111, 142301.	2.9	200
43	Centrality 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
44	Azimuthal Anisotropy at the Relativistic Heavy Ion Collider: The First and Fourth Harmonics. Physical Review Letters, 2004, 92, 062301.	7.8	193
45	Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. Physical Review Letters, 2014, 112, 162301.	7.8	186
46	Partonic Flow and Meson Production in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2014, 113, 142301.	7.8	181
47	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	179
48	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
49	Observation of Nuclear Modifications in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2014, 113, 142301.	7.8	179
50	Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 062301.	7.8	175
51	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
52	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with the ATLAS detector. Physical Review Letters, 2012, 108, 111803.	7.8	171
53	Centrality 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	169
54	Meson production in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2012, 108, 111803.	4.1	166

#	ARTICLE	IF	CITATIONS
55	Minijet deformation and charge-independent angular correlations on momentum subspace(\hat{i}, \hat{j}) in Au-Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2006, 73, .	2.9	166
56	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	166
57	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
58	Measurement of the differential cross-sections of inclusive, prompt and non-prompt Λ^0 production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	2.5	163
59	Measurement of the inelastic Λ^0 production cross-section at $\sqrt{s}=7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	4.1	161
60	Measurement of the inelastic Λ^0 production cross-section at $\sqrt{s}=7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	12.8	160
61	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
62	K(892)* resonance production in Au+Au and p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	149
63	Measurement of hard double-parton interactions in W ($\hat{a}, \hat{a}, \hat{a}, \hat{a}$) + 2-jet events at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	2.9	147
64	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au Collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	147
65	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
66	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2012, 710, 67-85.	7.8	141
67	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
68	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
69	Forward Neutral-Pion Transverse Single-Spin Asymmetries in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2008, 101, 222001.	7.8	138
70	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
71	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 131802.	7.8	136
72			

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73	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
74	Charged-particle multiplicities in pp interactions at $\sqrt{s}=900$ GeV measured with the ATLAS detector at the LHC. Physics Letters, Section B: Elementary Particles and High Energy Physics, 2010, 688, 21-42.	4.1	122
75		7.8	131
76	Neutral strange particle production in sulphur-sulphur and proton-sulphur collisions at 200 GeV/nucleon. Zeitschrift für Physik C-Particles and Fields, 1990, 48, 191-200.	1.5	129
77	Production and Possible Modification in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 092301.	7.8	127
78	Inclusive charged hadron elliptic flow in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2012, 86, .	2.9	127
79	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ 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.	4.1	126
80	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ 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
81	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 88, .	2.9	124
82	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p+Au and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 252301.	7.8	122
83	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review D, 2011, 83, .	4.1	122
84	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review D, 2011, 83, .	4.7	121
85			

#	ARTICLE	IF	CITATIONS
91	Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC. <i>Physical Review Letters</i> , 2010, 105, 161801. Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2010, 105, 161801.	7.8	113
92	Measurement of the t-channel single top-quark production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2010, 105, 161801.	4.1	113
93	Mass, quark-number, and NN dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. <i>Physical Review C</i> , 2007, 75, .	2.9	112

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#	ARTICLE	IF	CITATIONS
109	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	3.9	101
110	Net charge fluctuations in Au+Au collisions at $\sqrt{s_{NN}}=130\text{ GeV}$. Physical Review C, 2003, 68, .	2.9	100
111	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	100
112	Antimatter production in proton-proton and heavy-ion collisions at ultrarelativistic energies. Physical Review C, 2011, 84, .	2.9	98
113	Search for the chiral magnetic effect with isobar collisions at $\sqrt{s_{NN}}=200\text{ GeV}$ by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2022, 105, .	2.9	97
114	Enhanced strange baryon production in Au+Au collisions compared to p+p collisions. Physical Review C, 2012, 85, 054902.	2.9	97
115	Measurement of the elliptic flow of D mesons in Au+Au collisions at $\sqrt{s_{NN}}=200\text{ GeV}$. Physical Review C, 2012, 85, 054902.	4.7	97
116	Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200\text{ GeV}$. Physical Review Letters, 2012, 108, 022301.	7.8	95
117	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. Physical Review Letters, 2015, 114, 252302.	7.8	94
118	Charged particle spectra in central S+S collisions at 200 GeV/c per nucleon. Physical Review Letters, 1994, 72, 1419-1422.	7.8	92
119	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
120	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}}=200\text{ GeV}$. Physical Review Letters, 2012, 108, 022301.	7.8	91
121	Observation of a New State in Radiative Transitions to 1P_1 and 1P_1 in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2012, 108, 022301.	7.8	90
122	Fluctuations of charge separation perpendicular to the event plane and local parity violation in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	7.8	90
123	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $p\text{-}p$ Collisions at $\sqrt{s}=200\text{ GeV}$. Physical Review Letters, 2008, 100, 232003.	7.8	89
124	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	7.8	89
125	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7\text{ TeV}$ pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88

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127	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2011, 83, .	4.1	87
128	Search for Dilepton Resonances in Au+Au Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2011, 83, .	2.9	81
129	Azimuthally Sensitive Hanbury Brown-Twiss Interferometry in Au+Au Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2004, 93, .	7.8	85
130	Incident energy dependence of correlations at relativistic energies. Physical Review C, 2005, 72, .	7.8	84
131	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.	2.9	81
132	Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.	4.7	81
133	Identified Hadron Compositions in Au+Au Collisions at High Transverse Momenta. Physical Review C, 2009, 80, .	7.8	80
134	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	7.8	80
135	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in Au+Au Collisions. Physical Review Letters, 2009, 103, 172301.	7.8	80
136	Transverse-momentum correlations on (\hat{r}, ϕ) from mean- p_T fluctuations in Au+Au collisions at GeV. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, L37-L48.	4.1	80
137	Measurement of $\psi(2S)$ production in Au+Au collisions at ATLAS. Physical Review D, 2013, 87, .	7.8	80
138	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, 142-159.	2.9	79
139	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	7.8	80
140	Production of $\psi(2S)$ in Au+Au collisions at ATLAS. Physical Review D, 2013, 87, .	4.7	78
141	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, 142-159.	4.7	78
142	Measurement of $\psi(2S)$ production in Au+Au collisions at ATLAS. Physical Review D, 2013, 87, .	4.7	78
143	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, 142-159.	4.7	78
144	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, 142-159.	4.7	78

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145	Measurement of the production cross section of W^+W^- pairs in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review Letters</i> , 2012, 109, 211803.	4.7	76
146	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. <i>Nature Physics</i> , 2020, 16, 409-412.	16.7	76
147	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in pp Collisions Using 136.1 fb $^{-1}$ of ATLAS Data. <i>Physical Review Letters</i> , 2012, 109, 211803.	7.5	75
148	Search for new physics in the dijet mass distribution using 136.1 fb $^{-1}$ of pp collision data at $\sqrt{s}=7$ TeV collected by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 37-54.	4.1	75
149	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. <i>Science</i> , 2012, 338, 1576-1582.	12.6	74
150	Measurement of the inclusive and dijet cross-sections of b -jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	73
151	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.	4.7	73
152	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2014, 89, 054907.	2.9	73
153	Energy and system size dependence of J/ψ meson production in nucleus-nucleus collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2014, 89, 054907.	7.8	73
154	Measurement of the production cross section of J/ψ mesons in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011, 83, 012001.	4.1	71
155	Measurement of interaction between antiprotons. <i>Nature</i> , 2015, 527, 345-348.	27.8	71
156	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011, 83, 012001.	4.7	70
157	Measurement of the high-mass D^0 differential cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2011, 83, 012001.	4.7	70
158	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s}=200$ GeV. <i>Physical Review Letters</i> , 2015, 115, 092002.	7.8	70
159	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 711, 244-263.	4.1	69
161	Measurement of the Bottom Quark Contribution to Nonphotonic Electron Production in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2010, 105, 202301.	7.8	69
162	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 711, 244-263.	7.8	68

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163	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 265-271.		68
164	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, .	2.9	68
165	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	4.1	67
166	Event-wise centrality fluctuations in Au-Au collisions at $\sqrt{s} = 130$ GeV. Physical Review C, 2005, 71, . Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in	2.9	66
167	polarized Au+Au collisions at $\sqrt{s} = 200$ GeV. Beam-Energy Dependence of Directed Flow of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s} = 200$ GeV.	4.7	66
168	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.	7.8	66
169	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
170	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, .	2.9	65
171	Charged particle production in proton-, deuteron-, oxygen- and sulphur-nucleus collisions at 200 GeV per nucleon. European Physical Journal C, 1998, 2, 643.	3.9	65
172	Production of Λ and $\bar{\Lambda}$ in ultraperipheral relativistic heavy ion collisions at $\sqrt{s} = 200$ GeV.	2.9	64
173	Measurement of the W^+Z , $W^+Z/\sqrt{3}$ and $Z/\sqrt{3} \times W^+$ 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
174	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
175	Pair Production in pp Collisions at $\sqrt{s} = 7$ TeV. Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 7$ TeV with the ATLAS Detector.	7.8	63
176	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.	7.8	63
177	Measurement of Z Boson Production in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	7.8	63
178	Measurements of transverse energy distributions in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2004, 70, .	2.9	62
179	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301.	7.8	62
180	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61

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181	Measurement of Dijet Azimuthal Decorrelations in $\sqrt{s}=7$ TeV Au collisions $\langle \cos(\Delta\phi) \rangle = \frac{1}{N} \sum_{i,j} \cos(\phi_i - \phi_j)$	2.9	61
182	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
183	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $\sqrt{s}=7$ TeV pp Collisions. Physical Review Letters, 2012, 108, 181802.	7.8	61
184	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
185	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
186	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
187	First Observation of the Directed Flow of Λ Hyperons in Cu and Au collisions $v_1 = \langle \cos(\phi - \Psi_{dir}) \rangle$	7.8	61
188	Multiplicity dependence of inclusive pT spectra from pp collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2006, 74, .	4.7	60
189	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
190	Measurement of the inclusive isolated prompt photon cross section in Cu and Au collisions $\frac{d\sigma}{d\phi d\eta d^2p_T} = \frac{1}{N} \sum_{i,j} \cos(\phi_i - \phi_j)$	2.9	60
191	Measurement of the inclusive isolated prompt photon cross section in Au collisions $\frac{d\sigma}{d\phi d\eta d^2p_T} = \frac{1}{N} \sum_{i,j} \cos(\phi_i - \phi_j)$	4.7	60
192	Global and local polarization of Λ hyperons in Au+Au collisions at 200 GeV from STAR. Nuclear Physics A, 2019, 982, 511-514.	1.5	60
193	Search for the decay $B \rightarrow \mu^+ \mu^- \gamma$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	4.1	59
194	Measurement of $W \rightarrow Z$ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
195	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
196	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
197	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions $\frac{d\sigma}{d\phi d\eta d^2p_T} = \frac{1}{N} \sum_{i,j} \cos(\phi_i - \phi_j)$	4.1	58
198	Measurement of the inclusive isolated prompt photon cross section in Au collisions $\frac{d\sigma}{d\phi d\eta d^2p_T} = \frac{1}{N} \sum_{i,j} \cos(\phi_i - \phi_j)$	4.7	58

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199	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, Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons	3.9	58
200	Meson in Au-Au collisions	7.8	58
201	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	4.7	57
202	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using 1 fb ⁻¹ of ATLAS data. Physical Review D, 2012, 85, . Search for Magnetic Monopoles in Au-Au collisions	7.8	57
203	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
204	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
205	Directed flow in Au+Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. Physical Review C, 2006, 73, . Hadronic resonance production in Au-Au collisions	4.1	56
206	Charged and strange hadron elliptic flow in Au-Au collisions	2.9	55
207	Cu-Cu collisions at $\sqrt{s_{NN}}=200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 294-312.	2.9	55
208	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV from the STAR experiment. Physical Review C, 2015, 92, . Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions	2.9	55
209	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in Au-Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 294-312.	4.1	54
210	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV from the STAR experiment. Physical Review C, 2015, 92, . 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

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217	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
218	Strange hadron production in Au+Au collisions at low \sqrt{s} and Cu+Cu collisions at $\sqrt{s}=7$ TeV. Physical Review C, 2020, 102, .	2.9	54
219	Strange hadron production in Au+Au collisions at $\sqrt{s}=7$ TeV and Cu+Cu collisions at $\sqrt{s}=3.9$, 11.5, 19.6, 27, and 39 GeV. Physical Review C, 2020, 102, .	2.9	54
220	Fluctuations at Relativistic Energies. Physical Review Letters, 2009, 103, 092301.	7.8	53
221	Parton energy loss in heavy-ion collisions via direct-photon and charged-particle azimuthal correlations. Physical Review C, 2010, 82, .	2.9	53
222	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
223	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. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
224	Beam energy dependence of (anti-)deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	53
225	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	4.1	52
226	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
227	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
228	Dielectron Mass Spectra from Au+Au collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 022301.	7.8	52
229	Measurement of elliptic flow of light nuclei at $\sqrt{s}=62.4, 39, 27, 19.6, 11.5,$ and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	52
230	Measurement of the Λ lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, .	2.9	52
231	Hyperons in Au+Au collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 022301.	7.8	52
232	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	3.9	51
233	Measurement of the top quark mass with the template method in the $l\tau+jets$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
234	Three-Pion Hanbury Brown-Twiss Correlations in Relativistic Heavy-Ion Collisions from the STAR Experiment. Physical Review Letters, 2003, 91, 262301.	7.8	50

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236	Hadron production in S+Ag and S+Au collisions at 200. Nuclear Physics A, 1994, 566, 35-44.	1.5	49
237	Pion interferometry in Au+Au and Cu+Cu collisions at $\sqrt{s_{NN}}=62.4$ and 200 GeV. Physical Review C, 2009, 80, .	2.9	49
238	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=2.76$ TeV using p_T using p_T . Physical Review Letters, 2014, 112, 102301.	4.1	49
239	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
240	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	1.2	48
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242	Proton- \bar{p} correlations in central Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	2.9	47
243	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $\sqrt{s}=7$ TeV pp collisions at the LHC. Physical Review Letters, 2016, 116, 112302.	7.8	47
244	Study of jets produced in association with a W boson in $\sqrt{s}=7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 320, 12301.	4.7	47
245	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $\sqrt{s}=7$ TeV pp collisions at the LHC. Physical Review Letters, 2016, 116, 112302.	7.8	47
246	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in $\sqrt{s_{NN}}=2.76$ TeV Au+Au collisions at RHIC. Physical Review Letters, 2016, 116, 112302.	7.8	47
247	ϕ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2016, 116, 112302.	2.9	47
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249	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
250	Measurement of the Parity-Violating Longitudinal Single-Spin Asymmetry for W Boson Production in Polarized Proton-Proton Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2016, 116, 112302.	7.8	46
251	Production of a W boson in association with b -jets in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review Letters, 2012, 707, 418-437.	7.8	46
252	Measurement of the cross section for the production of a W boson in association with b -jets in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 418-437.	7.8	46

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254	Two-pion Bose-Einstein correlations in nuclear collisions at 200 GeV per nucleon. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 77-88.	1.5	45
255	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	2.9	45
256	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	4.7	45
257	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	4.1	45
258	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	4.7	45
259	Angular correlations from Au-Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 86, 034907.	2.9	45
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261	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-p _T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
262	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-p _T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
263	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton- \bar{p} collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
264	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
265	Measurement of the $t\bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
266	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-p _T leptons. Journal of High Energy Physics, 2012, 2012, 1.	7.8	45
267	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector using final states with two high-p _T leptons. Journal of High Energy Physics, 2012, 2012, 1.	7.8	45

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272	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
273	Probing parton dynamics of QCD matter with $\bar{c}c$ production. Physical Review C, 2016, 93, .	2.9	43
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275	Further search for supersymmetry at $\sqrt{s} = 7$ TeV in pp collisions with the ATLAS detector.	4.7	42
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277	Measurement of charged particle production from 450 GeV/c protons on beryllium. European Physical Journal C, 1999, 10, 605.	3.9	42
278	Measurement of Transverse Single-Spin Asymmetries for Dijet Production in Proton-Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2007, 99, 142003.	7.8	41
279	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	4.1	41
280	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
281	Single spin asymmetry in polarized proton elastic scattering at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 62-69.	4.7	41
282	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-322.	4.1	41
283	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	2.9	41
285	Multiplicity and pseudorapidity distributions of charged particles and photons at forward pseudorapidity in Au+Au collisions at $\sqrt{s_{NN}} = 62.4$ GeV. Physical Review C, 2006, 73, .	2.9	40
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287	Energy and system-size dependence of two- and four-particle v_2 measurements in heavy-ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	40
288	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying W Bosons. Physical Review Letters, 2012, 109, 032001.	7.8	40

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307	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review Letters, 2012, 108, 241802.	7.8	37
308	Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review Letters, 2012, 108, 241802.	4.7	37
309	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	37
310	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 538-556.	4.1	37
311	Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}}=200\text{ GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
312	Production of charged kaons in proton-nucleus and nucleus-nucleus collisions at 200 GeV/nucleon. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 367-374.	1.5	36
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316	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. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
317	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 538-556.	4.1	36
318	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
319	Jet-like correlations with direct-photon and neutral-pion triggers at $\sqrt{s_{NN}}=200\text{ GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 689-696.	4.1	36
320	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
321	Baryon and antibaryon production in lead-lead collisions at $\sqrt{s_{NN}}=200\text{ GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 202-210.	4.1	35
322	Neutral kaon interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200\text{ GeV}$. Physical Review C, 2006, 74, .	2.9	35
323	Search for the Higgs Boson in the $H \rightarrow WW^{(*)} \rightarrow l^+l^-l^+l^-$ Decay Channel in pp Collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	7.8	35
324	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review Letters, 2012, 108, 111802.	4.7	35

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326	Pseudorapidity asymmetry and centrality dependence of charged hadron spectra in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, .	2.9	34
327	Directed Flow of Identified Particles in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 202301.	7.8	34
328	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. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
329	Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	7.8	34
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333	Measurement of the $t\bar{t}b\bar{b}$ Resonances in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 041804.	7.8	33
334	Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	7.8	33
335	Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.	7.8	33
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339	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{NN}} = 7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV. Physical Review Letters, 2018, 121, 032301.	7.8	33
340	Strangeness enhancement in central S + S collisions at 200 GeV/nucleon. Nuclear Physics A, 1991, 525, 221-226.	1.5	32
341	Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 108, 041804.	2.9	32
342	Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 108, 041804.	4.1	32

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344	Energy dependence of acceptance-corrected dielectron excess mass spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Particle and High Energy Physics, 2017, 367, 1-6.	4.1	32
345	Coherent diffractive photoproduction of η mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review Letters, 2007, 99, 1-4.	2.9	32
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347	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. European Physical Journal C, 2011, 71, 1-10.	4.1	31
348	Measurement of the production cross section for the W boson and a Z boson in association with jets in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 1-4.	7.8	31
349	Measurement of the production cross section using decays to D mesons and η mesons in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2012, 864, 341-381.	4.7	31
350	Measurement of the b -hadron production cross section using decays to D mesons and η mesons in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics B, 2012, 864, 341-381.	2.5	31
351	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. European Physical Journal C, 2012, 72, 1.	3.9	31
352	Measurement of the differential cross-section of B^+ meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
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394	Measurements of Λ baryon production in $p\text{-Pb}$ collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2013, 87, 054907.	7.8	24
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424	Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	21
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426	Measurement of the Λ production cross section and limits on anomalous triple gauge couplings in protonâ€“proton collisions at $\sqrt{s}=7$ TeV. Elementary Particle and Nuclear Physics, 2012, 718, 411-430.	4.1	20
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468	Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in pp collisions at $\sqrt{s}=7, 8, 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	16

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488	Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s}=7\text{ TeV}$. Physical Review D, 2012, 85.	4.1	14
489	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physical Review D, 2013, 87, .	4.1	14
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