

Bilge M Demirkaya

List of Publications by Year in descending order

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304
papers

27,885
citations

8749

75
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6643

156
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all docs

306
docs citations

306
times ranked

12426
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.	1.5	6,386
2	First Result from the Alpha Magnetic Spectrometer on the International Space Station: Precision Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5â€“350 GeV. Physical Review Letters, 2013, 110, 141102.	2.9	852
3	Precision Measurement of the Proton Flux in Primary Cosmic Rays from Rigidity 1ÂĠGV to 1.8 TV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2015, 114, 171103.	2.9	655
4	Observation of Associated Near-Side and Away-Side Long-Range Correlations in $\sqrt{s} > \sqrt{s_N} < \sqrt{s_{NN}}$ $\sqrt{s} > \sqrt{s_N} < \sqrt{s_{NN}}$ Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302.	2.9	428
5	High Statistics Measurement of the Positron Fraction in Primary Cosmic Rays of 0.5â€“500ÂĠGeV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121101.	2.9	428
6	Electron and Positron Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121102.	2.9	397
7	Precision Measurement of the Helium Flux in Primary Cosmic Rays of Rigidities 1.9ÂĠGV to 3ÂĠTV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2015, 115, 211101.	2.9	369
8	Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s} > \sqrt{s_N} < \sqrt{s_{NN}}$ lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	1.1	365
9	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.	1.4	362
10	Combined search for the Standard Model Higgs boson using up to 4.9 fb ⁻¹ of pp collision data at $\sqrt{s} > \sqrt{s_N} < \sqrt{s_{NN}}$ with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	2.9	238
11	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
12	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.	1.5	307
13	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.	1.5	295
14	Antiproton Flux, Antiproton-to-Proton Flux Ratio, and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2016, 117, 091103.	2.9	295
15	Jet energy measurement and its systematic uncertainty in protonâ€“proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
16	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
17	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
18	Precision Measurement of the $\sqrt{s} > \sqrt{s_N} < \sqrt{s_{NN}}$ Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 221102.	2.9	238

#	ARTICLE	IF	CITATIONS
19	Precision Measurement of the Boron to Carbon Flux Ratio in Cosmic Rays from 1.9ÂGV to 2.6ÂTV with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2016, 117, 231102.	2.9	236

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#	ARTICLE	IF	CITATIONS
37	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. Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in $\sqrt{s} < 7 \text{ TeV}$ Collisions. Physical Review Letters, 2011, 106, 131802.	1.6	137
38	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} < 7 \text{ TeV}$ collisions. Physical Review Letters, 2014, 112, 041802.	2.9	136
39	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
40	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. Physical Review Letters, 2014, 112, .	2.9	130
41	Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	2.9	129
42	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.5	126
43	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
44	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236. Measurement of the inclusive isolated prompt photon cross section in $\sqrt{s} < 7 \text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2011, 83, .	1.4	121
45	Measurement of the inclusive isolated prompt photon cross section in $\sqrt{s} < 7 \text{ TeV}$ collisions at the ATLAS detector. Physical Review D, 2011, 83, .	1.6	121
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#	ARTICLE	IF	CITATIONS
55	Search for the Standard Model Higgs boson in the decay channel $pp \rightarrow H \rightarrow ZZ \rightarrow 4\ell$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.6	109
56	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution 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, 2012, 710, 363-382.	2.9	109
57	Towards Understanding the Origin of Cosmic-Ray Electrons. Physical Review Letters, 2019, 122, 101101.	2.9	109
58	Measurement of the centrality dependence of Z production in lead-lead collisions with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 294-312.	1.5	107
59	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.	1.4	105
60	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in pp Collision Data at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2509.	2.9	105
61	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.	1.6	102
62	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.	1.4	101
63	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	100
64	Observation of Fine Time Structures in the Cosmic Proton and Helium Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 121, 051101.	2.9	98
65	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	1.4	95
66	Search for the Standard Model Higgs boson in the decay channel $pp \rightarrow H \rightarrow ZZ \rightarrow 4\ell$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	2.9	90
67	Observation of a New Radiative Transitions to $\Lambda(1520)$ in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	2.9	90
68	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.	1.6	88
69	Search for Dilepton Resonances in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	2.9	81
70	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.	1.6	81
71	Search for the Standard Model Higgs boson in the decay channel $pp \rightarrow H \rightarrow ZZ \rightarrow 4\ell$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	2.9	80
72	Measurement of upsilon production in pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78

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73	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s}=7$ TeV. Measurement of the production cross-section of W bosons in association with a top quark in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	1.6	76
74	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in pp Collisions Using 7 TeV of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	1.6	76
75	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.	1.6	76
76	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. Science, 2012, 338, 1576-1582.	6.0	74
78	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.	1.4	73
79	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.	1.6	73
80	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.	1.6	71
81	Measurement of the high-mass Drell-Yan differential 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, 2013, 725, 223-242.	1.6	70
82	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.	1.5	69
84	Precision Measurement of Cosmic-Ray Nitrogen and its Primary and Secondary Components with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 121, 051103.	2.9	68
85	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.	1.5	67
86	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.	1.6	65
87	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.	1.6	64
88	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.	2.9	63
89	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.	2.9	63
90	Observation of Complex Time Structures in the Cosmic-Ray Electron and Positron Fluxes with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2018, 121, 051102.	2.9	62

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91	Measurement of Dijet Azimuthal Decorrelations in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 172002.	2.9	61
92	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.	2.9	61
93	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.	2.9	61
94	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.	1.6	61
95	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.	1.4	61
96	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.	1.4	60
97	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, 2012, 713, 387-407.	1.6	60
98	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.	1.5	59
99	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.	1.4	59
100	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.	1.6	59
101	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.	2.9	59
102	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.	0.5	59
103	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.	1.5	58
104	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, 2012, 713, 387-407.	1.6	58
105	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.	1.4	58
106	Properties of Neon, Magnesium, and Silicon Primary Cosmic Rays Results from the Alpha Magnetic Spectrometer. Physical Review Letters, 2020, 124, 211102.	2.9	58
107	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, 2012, 713, 387-407.	1.5	57
108	Search for quark contact interactions in dijet angular distributions 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.	1.5	57

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109	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using $\sqrt{s}=7$ TeV ATLAS data. Physical Review D, 2012, 85, .	1.6	57
110	Search for Magnetic Monopoles in $\sqrt{s}=7$ TeV pp collisions using the ATLAS detector. Physical Review Letters, 2012, 109, 261803.	2.9	57
111	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
112	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2012, 109, 261803.	2.9	57
113	Search for long-lived stopped R-hadrons in $\sqrt{s}=7$ TeV pp collisions using the ATLAS detector. Physical Review D, 2013, 88, .	1.6	57
114	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.	1.4	56
115	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 294-312.	1.6	55
116	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.	1.6	54
118	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.	1.6	54
119	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $\sqrt{s}=7$ TeV pp collisions. Journal of High Energy Physics, 2012, 2012, 1.	1.6	53
120	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.	1.6	53
121	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.	1.5	52
122	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.	1.6	52
123	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.	1.6	52
124	Measurement of the top quark mass with the template method in the $\text{lepton}+\text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
125	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, 705, 294-312.	1.5	49
126	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.	1.6	48

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127	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	0.5	48
128	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 28-31.	1.6	47
129	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 13-31.	1.6	46
130	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	2.9	46
131	Search for New Phenomena in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-456.	1.5	45
132	Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-456.	1.6	45
133	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-456.	1.6	45
134	Measurements of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	45
135	Measurement of the cross section for the production of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	45
136	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	1.4	45
137	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.4	45
138	Measurement of the top-quark pair production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in dilepton final states with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	1.4	45
139	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	45
140	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
141	Measurement of the τ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	1.4	45
142	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	1.5	44
143	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	43

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145	Further search for supersymmetry at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 158-176.	1.6	42
146	Search for first generation scalar leptoquarks 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, 158-176.	1.6	42
147	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	42
148	Search for heavy long-lived charged particles with the ATLAS detector 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, 205-222.	1.5	41
149	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.	1.4	41
150	Measurement of the isolated diphoton cross section 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, 205-222.	1.6	41
151	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, 205-222.	1.6	41
152	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	1.2	41
153	The ATLAS Data Acquisition and High Level Trigger system. Journal of Instrumentation, 2016, 11, P06008-P06008.	0.5	41
154	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40
155	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.	2.9	40
156	A search for t resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	40
157	Top quark pair cross section with ATLAS 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, 205-222.	1.5	40
158	Measurement of the WW cross section 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, 205-222.	1.5	40
159	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.5	40
160	Properties of Cosmic Helium Isotopes Measured by the Alpha Magnetic Spectrometer. Physical Review Letters, 2019, 123, 181102.	2.9	40
161	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
162	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.4	39

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163	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, Measurement of angular correlations in Drell-Yan lepton pairs to probe boson transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	39
164	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, Measurement of angular correlations in Drell-Yan lepton pairs to probe boson transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	39
165	Measurement of the W charge asymmetry in the lepton plus jets final state with ATLAS using $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.6	39
166	Measurement of the W charge asymmetry in the lepton plus jets final state with ATLAS using $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	38
167	Search for $t\bar{t}$ single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	38
168	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
169	Measurement of the transverse momentum distribution of W bosons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.6	37
170	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	37
171	Search for direct single top and $t\bar{t}$ production in final states with two leptons 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, 712, 351-369.	1.5	37
172	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 562-578.	1.5	37
173	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	36
174	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
175	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.	1.5	36
176	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	1.4	36
177	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	36
178	Search for the Higgs Boson in the $WW^{(*)} \rightarrow l^+ l^- \nu \bar{\nu}$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35
179	Search for contact interactions and large extra dimensions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.6	35
180	Search for Quantum Black Hole Production in High-Invariant-Mass Lepton+Jet Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	2.9	35

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181	Measurement of the production cross section of prompt J/ψ mesons in association with a W^{\pm} boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
182	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.	1.6	34
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184	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	1.4	34
185	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
186	Search for Resonances in Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	2.9	33
187	Production Cross Section and 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.	2.9	33
188	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.	2.9	33
189	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	1.4	33
190	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	0.9	33
191	Search for a Heavy Up-Type Quark Decaying to a W Boson and a Z Boson in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Journal of High Energy Physics, 2013, 2013, 1.	1.5	32
192	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
193	Measurement of c_1 and c_2 production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	32
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195	Measurement of the production cross section for W Boson and a Z Boson in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2012, 864, 341-381.	2.9	31
196	Measurement of the b -hadron production cross section using decays to D mesons in final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2012, 864, 341-381.	1.6	31
197	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.	0.9	31
198	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.	1.4	31

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199	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.	1.6	31
200	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	30
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202	Search for a Standard Model Higgs Boson in the $H \rightarrow ZZ \rightarrow 4\ell$ Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.	2.9	29
203	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
204	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 32-50.	1.5	28
205	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	28
206	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-315.	1.5	28
207	Measurement of the differential cross-section for top jets produced in association with a Z boson at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-315.	1.5	28
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209	Search for Pair Production of a New Quark that Decays into a Bottom Quark and a Bottom Quark with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	2.9	26
210	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	26
211	A search for ρ resonances with the ATLAS detector in 2.05 fb^{-1} of proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2083.	1.4	25
212	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	25
213	Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.	1.5	25
214	Measurement of the cross-section in the $W \rightarrow \ell \nu$ decay channel with the ATLAS detector. Physical Review Letters, 2011, 107, 041802.	2.9	24
215	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	1.6	24
216	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 32-50.	1.5	24

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217	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:mn} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:math} \rangle$ and mass in the ATLAS experiment. Physical Review D, 2013, 87, .	2.4	24
218	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	1.2	24
219	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	1.5	23
220	Search for the Higgs Boson in the $H \rightarrow \gamma\gamma$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 231801.	2.9	23
221	Search for pair-produced heavy quarks decaying to W production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 107, 231801.	1.6	23
222	Search for pair-produced heavy quarks decaying to W production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 107, 231801.	1.6	23
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225	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.	1.2	23
226	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow \gamma\gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	22
227	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.	1.4	22
228	Search for new phenomena in the $W \rightarrow W \gamma$ final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	21
229	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	21
230	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	21
231	ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, .	1.6	21
232	Measurement of the $W \rightarrow W \gamma$ production cross section and limits on anomalous triple gauge couplings in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	21
233	Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-878.	1.5	21
234	Measurement of τ , polarization in $W \rightarrow \tau \nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2062.	1.4	21

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236	Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430. http://www.w3.org/1998/Math/MathML	1.5	20
237	Measurement of WZ production cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 49-69. http://www.w3.org/1998/Math/MathML	1.5	20
238	Hybrid quantum classical graph neural networks for particle track reconstruction. Quantum Machine Intelligence, 2021, 3, 1.	2.7	20
239	Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2011, 106, 121803.	2.9	19
240	Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	1.6	19
241	Measurement of K T splitting scales in $W\tau$ events at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
242	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	18
243	Measurement of WZ and $Z\nu$ 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. http://www.w3.org/1998/Math/MathML	1.6	17
244	Search for resonant diboson production in the WW/WZ decay channels with the ATLAS detector at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, .	1.6	18
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246	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
247	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
248	Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340. http://www.w3.org/1998/Math/MathML	1.5	17
249	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	1.5	17
250	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.	1.6	17
251	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, .	1.6	16
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254	Search for a heavy Standard Model Higgs boson in the channel $ZZ \rightarrow 4\ell$ using final states with leptons and jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.5	16
255	Search for a heavy Standard Model Higgs boson in the channel $ZZ \rightarrow 4\ell$ using final states with leptons and jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.6	16
256	Search for diphoton events with large missing transverse energy with 36 pb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	15
257	Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	2.9	15
258	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
259	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	15
260	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.	1.6	15
261	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.	1.4	15
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267	Search for a heavy narrow resonance decaying to e^+e^- or $\mu^+\mu^-$ with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physics Letters B, 2013, 318, 277-281.	1.5	14
268	Search for a heavy narrow resonance decaying to e^+e^- or $\mu^+\mu^-$ with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physics Letters B, 2013, 318, 277-281.	1.5	14
269	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, .	1.6	14
270	Search for new phenomena in events with three charged leptons at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .	1.6	14

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272	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	13
273	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	13
274	Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7\text{ TeV}$ pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	1.4	13
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276	Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at $\sqrt{s}=7\text{ TeV}$ Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802.	2.9	12
277	Search for resonant WZ production in the $WZ\mu\tau$ channel in $\sqrt{s}=7\text{ TeV}$ pp collisions with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	12
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280	Search for a standard model Higgs boson in the $WZ\mu\tau$ channel in $\sqrt{s}=7\text{ TeV}$ pp collisions with the ATLAS detector. Physical Review Letters, 2012, 108, 211802.	1.5	12
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282	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. Physical Review D, 2014, 89, .	1.6	12
283	Measurement of $W^{\pm 3}$ and $Z^{\pm 3}$ production in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	11
284	Search for single WZ production with the ATLAS detector at $\sqrt{s}=7\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	11
285	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	10
286	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	9
287	Measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s}=7\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	8
288	Measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s}=7\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	8

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290	Search for contact interactions in dimuon events from $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 197-214.	1.6	6
291	Measurement of the decay of a τ lepton into a muon and a neutrino 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, 714, 197-214.	1.5	6
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294	Metu-Defocusing Beamline : A 15-30 MeV Proton Irradiation Facility and Beam Measurement System. EPJ Web of Conferences, 2020, 225, 01008.	0.1	5
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