

# Elena Solfaroli-Camillocchi

## List of Publications by Year in descending order

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Version: 2024-02-01

368  
papers

30,716  
citations

7087

78  
h-index

5820

161  
g-index

369  
all docs

369  
docs citations

369  
times ranked

12136  
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	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	0.5	1,752
3	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
4	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	581
5	Observation of Associated Near-Side and Away-Side Long-Range Correlations in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2012, 109, 182301.	2.9	441
6	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	1.1	365
7	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
8	Combined search for the Standard Model Higgs boson using up to $4.9 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	1.5	328
9	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
10	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	1.5	307
11	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	1.5	295
12	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
13	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
14	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
15	Search for high-mass dilepton resonances 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, 716, 1-29.	1.6	237
16	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at the ATLAS detector. Physical Review Letters, 2012, 109, 182301.	1.5	231
17	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	1.4	230
18	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.	1.4	209

#	ARTICLE	IF	CITATIONS
19	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	1.4	204
20	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	2.9	195
21	Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
22	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.	1.6	175
23	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.	2.9	171
24	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.	1.5	169
25	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.	0.9	163
26	Measurement of the inelastic proton-proton cross-section at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	5.8	160
27	Measurement of the inelastic proton-proton cross-section at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	5.8	158
28	Measurement of hard double-parton interactions in $W + 2$ -jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	1.2	147
29	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.	1.4	146
30	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	145
31	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 with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 67-85.	2.9	143
32	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.	1.6	137
33	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 with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 706, 131802.	2.9	136
34	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
35	Measurement of event-plane correlations in lead-lead collisions with the ATLAS detector. Physical Review C, 2014, 90, .	1.1	134
36	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 21-42.	1.5	133

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37	Measurement of the $Z/\hat{1}^3$ * boson transverse momentum distribution in pp collisions at $s = 7 \sqrt{s} = 7 \sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131
38	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
39	Search for Dark Matter in Events with a Hadronically Decaying $W$ Boson and Missing Transverse Momentum in pp Collisions at $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	2.9	129
40	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
41	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.5	126
42	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in $t \bar{t}$ events using pp collision data at $\sqrt{s} = 7 \sqrt{s} = 7 \sqrt{s}$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
43	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	2.9	123
44	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
45	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7 \sqrt{s} = 7 \sqrt{s}$ TeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	121
46			

#	ARTICLE	IF	CITATIONS
55	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 4.7$ TeV. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 10^{-112}$ fb. Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 10^{-112}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">113, 87, ...	1.6	112
56	Search for dark matter candidates and large extra dimensions in events with a photon and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 10^{-112}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">110	1.6	110
57	Measurement of $\text{Star}(t)\bar{s}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.4 \times 10^{-109}$ fb. Combined search for the Standard Model Higgs boson in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">109	1.4	109
58	Search for the Standard Model Higgs boson in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 10^{-109}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">109	1.6	109
59	Measurement of the centrality dependence of $\text{Star}(t)\bar{s}$ production in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.5 \times 10^{-109}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">109	1.5	109
60	Measurement of the centrality dependence of $\text{Star}(t)\bar{s}$ production in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.5 \times 10^{-107}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">107	1.5	107
61	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. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.4 \times 10^{-105}$ fb. Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">105	1.4	105
62	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 2.9 \times 10^{-105}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">105	2.9	105
63	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. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 10^{-102}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">102	1.6	102
64	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. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.4 \times 10^{-101}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">101	1.4	101
65	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.4 \times 10^{-100}$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">100	1.4	100
66	Search for Higgs Boson Pair Production in the $\text{Star}(t)\bar{s}$ Final State Using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 2.9 \times 98$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">98	2.9	98
67	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.4 \times 95$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">95	1.4	95
68	Search for the Standard Model Higgs boson in the decay channel $\text{Star}(t)\bar{s} \rightarrow \text{Z} + \text{b}\bar{\text{b}}$ in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 92$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">92	1.6	92
69	Search for the Standard Model Higgs boson in the decay channel $\text{Star}(t)\bar{s} \rightarrow \text{Z} + \text{b}\bar{\text{b}}$ in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 2.8 \times 92$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">92	2.8	92
70	Observation of a New $\text{Star}(t)\bar{s} \rightarrow \text{Z} + \text{b}\bar{\text{b}}$ State in Radiative Transitions to $\text{Star}(t)\bar{s}$ in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 2.9 \times 90$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">90	2.9	90
71	Search for the Standard Model Higgs boson and missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 90$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">90	1.6	90
72	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. $\sigma_{\text{fb}}(\text{pp} \rightarrow \text{b}\bar{\text{b}}) = 1.6 \times 88$ fb. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" display="inline" style="font-size: 0.8em;">88	1.6	88

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73	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	88
74	Observation of an Excited $B_c$ State with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	2.9	81
75	Search for Dilepton Resonances in $\sqrt{s} = 7$ TeV pp Collisions at the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	1.6	81
76	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	80
77	Measurement of $\chi_{c0}$ production in $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Physical Review D, 2013, 87, .	1.6	78
78	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-150.	1.4	77
79	Light-quark and gluon jet discrimination in $\sqrt{s} = 7$ TeV pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.6	76
80	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV pp Collisions Using 36.1 fb <sup>-1</sup> of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	1.4	73
81	Search for new physics in the dijet mass distribution using 36.1 fb <sup>-1</sup> 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.	6.0	74
82	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. Science, 2012, 338, 1576-1582.	1.4	73
83	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.	1.6	73
84	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	71
85	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.	1.6	71
86	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	70
87	Measurement of underlying event characteristics using charged particles in $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Physical Review D, 2011, 83, .		
88	Measurement of underlying event characteristics using charged particles in $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Physical Review D, 2011, 83, .		
89	Measurement of underlying event characteristics using charged particles in $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Physical Review D, 2011, 83, .		
90	Measurement of underlying event characteristics using charged particles in $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Physical Review D, 2011, 83, .		

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91	Measurement of the high-mass Drellian 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.	1.5	67
92	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
93	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
94	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
95	Measurement of the $W \rightarrow \tau \nu_\tau$ and $Z \rightarrow \tau \tau$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
96	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
97	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, 2013, 109, 211802.	2.9	63
98	Measurement of ZBoson 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
99	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
100	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
101	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
102	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
103	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
104	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\gamma$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61
105	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
106	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
107	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	60
108	Search for the decay $B \rightarrow \tau \nu_\tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	1.5	59

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109	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
110	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
111	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
112	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
113	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
114	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	59
115	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. Journal of High Energy Physics, 2014, 2014, 1.	1.5	58
116	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.6	58
117	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, 261803.	1.4	58
118	Measurement of the transverse momentum distribution of Z bosons in proton-proton 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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120	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in pp collisions using 1 fb <sup>-1</sup> of ATLAS data. Physical Review D, 2012, 85, 072001.	1.6	57
121	Search for long-lived stopped top quarks in pp collisions with the ATLAS detector. Physical Review Letters, 2012, 109, 261803.	2.9	57
122	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
123	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
124	Search for long-lived stopped top quarks in pp collisions with the ATLAS detector. Physical Review Letters, 2012, 109, 261803.	1.6	57
125	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
126	Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 223-243.	1.5	56

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128	Search for direct top squark pair production in events with a $Z$ boson, $b$ -jets and missing transverse momentum in $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.4	55
129	Search for Supersymmetry On $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.5	54
130	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
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135	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
136	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
137	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
138	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
139	Measurement of the top quark mass with the template method in the $l\bar{l}jj$ channel using ATLAS data. European Physical Journal C, 2012, 72, 1-11.	1.4	51
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143	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	0.5	48
144	Search for supersymmetry in events with four or more leptons in $pp$ collisions with the ATLAS detector. Physical Review D, 2014, 90, .	1.6	48

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146	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $1\text{ fb}^{-1}$ 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, 13-31.	1.6	47
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155	Search for the Standard Model Higgs boson in the $W\tau$ channel with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	45
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157	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2013, 73, 1.	1.4	45
159	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
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170	Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 305-323.	1.5	41
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180	Measurement of the WW cross section in $\sqrt{s} = 7$ TeV proton-proton collisions with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 305-323.	1.5	40

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183	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.	1.5	39
184	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, 478-496.	1.5	39
185	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.6	39
186	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.6	39
187	Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.6	38
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191	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
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197	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
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216	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

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221	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.	1.6	31
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223	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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251	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	1.2	24
252	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	1.2	24

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254	Commissioning of the ATLAS Muon Spectrometer with $\cosmic$ $\mu$ Arays. <i>European Physical Journal C</i> , 2010, 70, 875-916.	1.4	23
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