

# Salvatore Fazio

## List of Publications by Year in descending order

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473  
papers

30,597  
citations

7568

77  
h-index

6835

155  
g-index

479  
all docs

479  
docs citations

479  
times ranked

12396  
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	Electron-Ion Collider: The next QCD frontier. European Physical Journal A, 2016, 52, 1.	2.5	898
3	Global $\Lambda$ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
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.	7.8	581
5	Combined measurement and QCD analysis of the inclusive $e^{\pm} p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	458
6	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	2.9	365
7	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
8	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
9	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
10	Combined search for the Standard Model Higgs boson using up to $4.9 \text{ fb}^{-1}$ of pp collision data at the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	325
11	Charged-particle multiplicities in $pp$ interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	2.9	314
12	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
13	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248
14	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au-Au collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	245
15			

#	ARTICLE	IF	CITATIONS
19	Global polarization of $\Lambda$ hyperons in Au + Au collisions at $\sqrt{s} = 2.76$ TeV. Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	2.9	205
20	Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. Physical Review Letters, 2014, 112, 162301.	2.76	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.	7.8	186
22	Observation of nuclear modifications in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with the ATLAS detector. Journal of High Energy Physics, 2012, 108, 111803.	3.9	179
23	Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with the ATLAS detector. Journal of High Energy Physics, 2012, 108, 111803.	7.8	171
24	Collision Data at $\sqrt{s} = 7$ TeV. Beam-Energy Dependence of Charge Separation along the Magnetic Field in $\sqrt{s} = 7$ TeV proton collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	163
25	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.	2.5	147
26	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	7.8	146
27	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.	3.9	137
28	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in $\sqrt{s} = 7$ TeV proton collisions. Physical Review Letters, 2011, 106, 131802.	4.7	136
29	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
30	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	3.9	134
31	Inclusive charged hadron elliptic flow in Au+Au collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	7.8	131
32	Inclusive charged hadron elliptic flow in Au+Au collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	2.9	127
33	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ in $\sqrt{s} = 7$ TeV 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
34	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ in $\sqrt{s} = 7$ TeV 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

#	ARTICLE	IF	CITATIONS
37	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s} = 7.7$ TeV. Measurement of the inclusive isolated prompt photon cross section in Au+Au collisions at $\sqrt{s} = 7.7$ TeV. Physical Review D, 2011, 83, .	2.9	124
38	Measurement of the inclusive isolated prompt photon cross section in Au+Au collisions at $\sqrt{s} = 7.7$ TeV. Physical Review D, 2011, 83, .	4.7	121
39			

#	ARTICLE	IF	CITATIONS
55	Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	7.8	105
56	The electron-positron collider: assessing the energy dependence of key measurements. Reports on Progress in Physics, 2019, 82, 024301.	20.1	104
57	An NLO QCD analysis of inclusive cross-section and jet-production data from the ZEUS experiment. European Physical Journal C, 2005, 42, 1-16.	3.9	103
58	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	3.9	101
59	Rapidity gap cross sections measured with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	100
60	Search for the chiral magnetic effect with isobar collisions at $\sqrt{s_{NN}} = 2.76$ TeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2022, 105, .	2.9	96
61	Measurement of the chiral magnetic effect in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2022, 105, .	4.7	97
62	Azimuthal Anisotropy at Midrapidity in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	95
63	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	93
64	State in Radiative Transitions $\gamma \rightarrow \pi^0 \pi^0$ and $\gamma \rightarrow \pi^0 \eta$ . Physical Review Letters, 2015, 114, 252302.	7.8	90
65	Fluctuations of charge separation perpendicular to the event plane and local parity violation in $pp$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	90
66	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
67	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
68	Azimuthal Anisotropy in $pp$ Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	4.1	87
69	Azimuthal Anisotropy in $pp$ Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	85
70	Exclusive electroproduction of $\rho$ mesons at HERA. Nuclear Physics B, 2005, 718, 3-31.	2.5	83
71	Search for Dilepton Resonances in $pp$ Collisions at the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	7.8	81

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73	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. Observation of Spin Correlation in $pp \rightarrow \gamma\gamma + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review Letters, 2013, 111, 171801.	4.7	81
74	Events from $pp \rightarrow \gamma\gamma + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review Letters, 2013, 111, 171801.	7.8	80
75	production at high transverse momenta in $pp \rightarrow \gamma\gamma + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review Letters, 2013, 111, 171801.	4.1	80
76	Correlation Function in $pp \rightarrow \gamma\gamma + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review Letters, 2013, 111, 171801.	7.8	80
77	Measurement of $W$ boson production in $pp \rightarrow W + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review D, 2013, 87, 012001.	4.7	78
78	Evidence for the associated production of a $W$ boson and a top quark in $pp \rightarrow Wt + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review Letters, 2012, 109, 211803.	4.7	76
79	Search for new physics in the dijet mass distribution using $1 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	16.7	76
80	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	4.7	76
81	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $pp$ Collisions Using $1 \text{ fb}^{-1}$ of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	4.7	75
82	Search for new physics in the dijet mass distribution using $1 \text{ fb}^{-1}$ 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.	3.9	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.	2.9	73
84	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2014, 89, 014907.	7.8	73
85	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.	27.8	71
86	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	4.1	70
87	Exclusive photoproduction of $J/\psi$ mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 4-12.	4.7	70
88	Measurement of underlying event characteristics using charged particles in $pp \rightarrow \gamma\gamma + \text{hadrons} + \text{hadrons}$ collisions at ATLAS. Physical Review Letters, 2013, 111, 171801.	4.7	70
89	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.	4.7	70
90	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 115, 092002.	7.8	70



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109	Measurement of Dijet Azimuthal Decorrelations in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 172002.	7.8	61
110	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $pp$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 108, 181802.	7.8	61
111	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
112	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
113	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
114	First Observation of the Directed Flow of $D$ and $\bar{D}$ Mesons in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387407.	7.8	61
115	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
116	Search for the decay $B \rightarrow D^* \mu^+ \mu^-$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387407.	4.1	59
117	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
118	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
119	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. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387407.	4.1	58
120	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and $\Lambda$ Hyperons in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387407.	7.8	58
121	Deep Inelastic Scattering with Leading Protons or Large Rapidity Gaps at HERA. Nuclear Physics B, 2009, 816, 1-61.	2.5	57
122	Measurement of the transverse momentum distribution of $Z$ bosons in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387407.	4.1	57
123	Search for a Large Contact Interaction in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327345.	4.1	57
124	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $pp$ collisions using $\sqrt{s}=7$ TeV ATLAS data. Physical Review D, 2012, 85, 113001.	4.7	57
125	Search for Magnetic Monopoles in $pp$ Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 261803.	7.8	57
126	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



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127	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. The proton- $\Lambda$ correlation function in Au+Au collisions at	3.9	56
128	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in	4.1	56
129	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in	4.7	55
130	Measurements of dielectron production in Au + Au collisions at	4.1	54
131	Measurements of dielectron production in Au + Au collisions at	4.1	54
132	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions	2.9	55
133	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.	4.1	54
134	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
135	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
136	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.	2.9	54
137	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.	2.9	54
138	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
139	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
140	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
141	Dielectron Mass Spectra from Au+Au collisions at	7.8	52
142	Measurement of elliptic flow of light nuclei at	2.9	52
143	Measurement of the	2.9	52
144	Global Polarization of Hyperons in Au+Au collisions at	7.8	52

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145	Measurement of the top quark mass with the template method in the $\text{Star}\{\text{t}\} \text{omathrm}\{\text{lepton}\}+\text{mathrm}\{\text{jets}\}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 1-10.	3.9	51
146	Measurement of the inclusive isolated prompt photon 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, 705, 1-10.	4.1	49
147	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
148	Jet-Hadron Correlations in $\sqrt{s}=7$ TeV pp collisions at the LHC. Physical Review Letters, 2014, 112, 122301.	7.8	48
149	Measurement of $D^{\pm}$ and $D^0$ production in deep inelastic scattering using a lifetime tag at HERA. European Physical Journal C, 2009, 63, 171-188.	3.9	47
150	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in $1 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 705, 1-10.	4.7	47
151	Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 13-31.	7.8	47
152	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in $\sqrt{s}=7$ TeV Au+Au collisions at central and transverse momentum dependence of $\Delta\phi$ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2011, 84, 024907.	2.9	47
153	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, 438-458.	4.1	45
154	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	4.1	45
155	Measurement of isolated photon production in deep inelastic ep scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 16-25.	4.1	45
156	Search for neutral MSSM Higgs bosons decaying to $b\bar{b}$ pairs in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	4.1	45
157	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
158	Search for New Phenomena in $\sqrt{s}=7$ TeV pp collisions at the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	7.8	46
159	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, 438-458.	4.1	45
160	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	4.1	45
161	Measurement of isolated photon production in deep inelastic ep scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 16-25.	4.1	45
162	Search for neutral MSSM Higgs bosons decaying to $b\bar{b}$ pairs in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-458.	4.1	45

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163	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. Physical Review D, 2012, 85, 112004.	4.7	45
164	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector using final states with two high-p <sub>T</sub> leptons. Journal of High Energy Physics, 2012, 2012, 1. Higgs boson in the $\mu\mu$ channel.	4.7	45
165	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7, 8$ TeV in dilepton final states with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	4.1	44
166	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
167	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
168	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
169	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 719, 200-235.	7.8	45
170	Search for long-lived, heavy particles in final states with a muon and multi-track displaced vertex in proton-proton collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 719, 200-235.	4.1	44
171	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76, 2.76, 2.76$ TeV. Physical Review C, 2017, 96, 054907.	2.9	44
172	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ , $H \rightarrow \mu\mu$ , $H \rightarrow \gamma\gamma$ decay mode in $\sqrt{s} = 7, 8$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
173	Probing parton dynamics of QCD matter with heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 719, 200-235.	2.9	43
174	Further search for supersymmetry in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with jets, missing transverse momentum, and isolated leptons with the ATLAS detector. Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	4.1	41
175	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	4.1	41
176	Diffractive photoproduction of dijets in ep collisions at HERA. European Physical Journal C, 2008, 55, 177-191.	3.9	41
177	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	4.1	41
178	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
179	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	4.7	41
180	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7, 8$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	4.1	41

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181	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7, 8$ TeV in the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2013, 15, 043007.	2.9	41
182	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	40
183	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying Bosons. <i>Physical Review Letters</i> , 2012, 109, 032001.	7.8	40
184	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. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	40
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291	Search for high-mass states with large missing transverse momentum in protonâ€“proton collisions at $\langle \text{mml:math altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$	4.1	21
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294	Search for diphoton events with large missing transverse momentum in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$	4.1	21
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302	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha}^{\frac{1}{2}} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \tilde{l}, \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \frac{1}{2} \langle \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle$ cross section in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$	4.1	20
303	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ TeV) $\langle \text{mml:mtext} \rangle \langle \text{mml:math} \rangle$ with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 242-260.	7.8	20
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333	Search for a heavy Standard Model Higgs boson in the channel $pp \rightarrow H \rightarrow \tau\tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 151-160.	4.1	16
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