

Maurice Garcia-Sciveres

List of Publications by Year in descending order

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865
papers

43,324
citations

2963

93
h-index

6282

158
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894
all docs

894
docs citations

894
times ranked

11388
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Top Quark Production in $p\bar{p}$ Collisions with the Collider Detector at Fermilab. Physical Review Letters, 1995, 74, 2626-2631.	2.9	1,240
2	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
3	Measurement of the J/ψ meson and b-hadron production cross sections in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	1.6	624
4	The CLEO II detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 320, 66-113.	0.7	589
5	First Measurement of the Rate for the Inclusive Radiative Penguin Decay $b \rightarrow s \gamma$. Physical Review Letters, 1995, 74, 2885-2889.	2.9	555
6	Observation of the Narrow State $X(3872)$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 072001.	2.9	531
7	ATLAS pixel detector electronics and sensors. Journal of Instrumentation, 2008, 3, P07007-P07007.	0.5	494
8	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
9	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 292.	1.4	453
10	Evidence for penguin-diagram decays: First observation of $B \rightarrow K^* \gamma$. Physical Review Letters, 1993, 71, 674-678.	2.9	379
11	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
12	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
13	J/ψ and $\psi(2S)$ Production in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 79, 572-577.	2.9	305
14	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 581.	1.4	298
15	Observation of the B_c Meson in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 2432-2437.	2.9	285
16	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
17	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s}=7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
18	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

#	ARTICLE	IF	CITATIONS
19	Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.	0.5	260
20	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
21	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
22	Double parton scattering in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1997, 56, 3811-3832.	1.6	246
23	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238

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37	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
38	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
39	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	1.4	174
40	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
41	Search for new high-mass phenomena in the dilepton final state using 36 fb^{-1} of proton-proton collision data at $s = 13 \sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
42	Measurement of the transverse momentum and ϕ_{η}^* distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
43	Measurement of Prompt Charm Meson Production Cross Sections in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2003, 91, 241804.	2.9	149
44	Search for New Gauge Bosons Decaying into Dileptons in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 2192-2197.	2.9	147
45	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
46	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
47	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
48	Precision measurement and interpretation of inclusive W^+W^+ , W^+W^- . European Physical Journal C, 2017, 77, 367.	1.4	145
49	Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
50	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. Physical Review D, 2002, 65, .	1.6	142
51	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	1.4	138
52	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
53	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	136
54	$\bar{t}t$ Production and Polarization in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 88, 161802.	2.9	135

#	ARTICLE	IF	CITATIONS
55	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 199.	1.4	132
56	Transverse Momentum and Total Cross Section of e^+e^- Pairs in the Z-Boson Region from pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 845-850.	2.9	131
57	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131
58	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	130
59	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
60	Search for Flavor-Changing Neutral Current Decays of the Top Quark in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 80, 2525-2530.	2.9	127
61	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
62	Intermediate silicon layers detector for the CDF experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 453, 84-88.	0.7	125
63	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
64	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	124
65	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123
66	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
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73	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	1.4	115
74	Measurement of Double Parton Scattering in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1997, 79, 584-589.	2.9	114
75	Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	114

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91	Measurement of the $B^0 \rightarrow D^* \ell^+ \ell^-$ branching fractions and $\sin^2 \theta_{cb}$. Physical Review D, 1995, 51, 1014-1033.	1.6	97
92	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	1.4	95
93	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
94	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	1.4	95
95	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
96	Measurement of charmless semileptonic decays of B mesons. Physical Review Letters, 1993, 71, 4111-4115.	2.9	92
97	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. Physical Review Letters, 1997, 79, 357-362.	2.9	92
98	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
99	Measurement of the $D^*(2010)$ branching fractions. Physical Review Letters, 1992, 69, 2041-2045.	2.9	91
100	Search for Higgs boson pair production in the $\bar{b}b \rightarrow b \hat{b} b \hat{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
101	Search for the $b \hat{b} \rightarrow \bar{b}b$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	89
102	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7; \sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
103	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
104	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
105	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
106	Observation of Excited Charmed Baryon States Decaying to $c + \bar{c} + \bar{c}$. Physical Review Letters, 1995, 74, 3331-3335.	2.9	85
107	Observation of Diffractive W-Boson Production at the Fermilab Tevatron. Physical Review Letters, 1997, 78, 2698-2703.	2.9	84
108	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	84

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109	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. Physical Review D, 2004, 70, .	1.6	82
110	Measurement of Bottom-Quark Hadron Masses in Exclusive J/ψ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
111	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
112	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	82
113	Measurement of the Top Quark Mass. Physical Review Letters, 1998, 80, 2767-2772.	2.9	81
114	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
115	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	81
116	Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. Physical Review Letters, 1998, 80, 2779-2784.	2.9	80
117	Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	1.4	80
118	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2001, 64, .	1.6	79
119	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
120	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
121	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
122	Measurement of the Lepton Charge Asymmetry in W-Boson Decays Produced in pp Collisions. Physical Review Letters, 1998, 81, 5754-5759.	2.9	78
123	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
124	Search for Gluinos and Scalar Quarks in pp Collisions at $\sqrt{s} = 1.8$ TeV Using the Missing Energy plus Multijets Signature. Physical Review Letters, 2002, 88, 041801.	2.9	77
125	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
126	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	1.4	77

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127	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	77
128	Two measurements of B^0 - \bar{B}^0 mixing. Physical Review Letters, 1993, 71, 1680-1684.	2.9	76
129	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. Physical Review Letters, 1996, 77, 5336-5341.	2.9	76
130	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, 114004.	1.6	76
131	Angular analysis of $B^0 \rightarrow K^{*0} \ell^+ \ell^-$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
132	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 2636-2641.	2.9	75
133	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. Physical Review Letters, 1999, 82, 271-276.	2.9	75
134	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
135	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
136	Measurement of the B^+ total cross section and B^+ differential cross section $d\sigma/dp_T$ in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2002, 65, .	1.6	74
137	Search for resonant diboson production in the $pp \rightarrow \ell\ell q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
138	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
139	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
140	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	1.4	73
141	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
142	A review of advances in pixel detectors for experiments with high rate and radiation. Reports on Progress in Physics, 2018, 81, 066101.	8.1	73
143	Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	1.4	72
144	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

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145	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
146	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
147	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	1.4	71
148	Inclusive decays of B mesons to charmonium. Physical Review D, 1995, 52, 2661-2672.	1.6	70
149	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 303.	1.4	70
150	Search for resonances in diphoton events at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
151	Limits on Quark-Lepton Compositeness Scales from Dileptons Produced in 1.8 TeV pp Collisions. Physical Review Letters, 1997, 79, 2198-2203.	2.9	69
152	Dijet Production by Color-Singlet Exchange at the Fermilab Tevatron. Physical Review Letters, 1998, 80, 1156-1161.	2.9	69
153	Measurement of the forward-backward charge asymmetry from $W \rightarrow e \nu$ production in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2005, 71, .	1.6	69
154	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
155	Measurement of $b\bar{b}$ -production correlations, $B^0\bar{B}^0$ mixing, and a limit on μ in pp collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review D, 1997, 55, 2546-2558.	1.6	68
156	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68
157	Readout technologies for directional WIMP Dark Matter detection. Physics Reports, 2016, 662, 1-46.	10.3	68
158	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	68
159	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
160	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
161	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	67
162	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s = 8 \sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66

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163	A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
164	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
165	First Observation of the All-Hadronic Decay of $t\bar{t}$ Pairs. Physical Review Letters, 1997, 79, 1992-1997.	2.9	65
166	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
167	Measurement of $\Gamma_{\pm S}$ from \tilde{L} , decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 580-588.	1.5	64
168	Comparison of the isolated direct photon cross sections in pp collisions at $\sqrt{s}=1.8$ TeV and $\sqrt{s}=0.63$ TeV. Physical Review D, 2002, 65, .	1.6	64
169	Measurement of the $W\gamma$, WZ and $Z\gamma$ 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
170	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
171	Observation and measurements of the production of prompt and non-prompt $\psi(2S)$ mesons in association with a Z boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	1.4	64
172	Evidence for the $H\rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
173	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	64
174	Measurements of semileptonic branching fractions of B mesons at the $\psi(4S)$ resonance. Physical Review D, 1992, 45, 2212-2231.	1.6	63
175	Measurement of the differential cross-sections of prompt and non-prompt production of $\psi(2S)$ and $\psi(1S)$ in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
176	Exclusive and inclusive semileptonic decays of B mesons to D mesons. Physical Review D, 1991, 43, 651-663.	1.6	62
177	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
178	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 154.	1.4	62
179	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2001, 64, .	1.6	61
180	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61

#	ARTICLE	IF	CITATIONS
181	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
182	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
183	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
184	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61
185	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
186	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
187	Inclusive and exclusive decays of B mesons to final states including charm and charmonium mesons. Physical Review D, 1992, 45, 21-35.	1.6	60
188	Search for $B_s \rightarrow \mu^+ \mu^-$ and $B_d \rightarrow \mu^+ \mu^-$ Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 032001.	1.6	60
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670	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	13
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717	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W_{\pm} and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	10
718	Measurement of J/ψ production in association with a W_{\pm} boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	10
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728	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8$ TeV using the ZZ $\rightarrow \bar{c}c$, $\bar{c}c$, $\bar{c}c$, $\bar{c}c$ and ZZ $\rightarrow \bar{c}c$, $\bar{c}c$, $\bar{c}c$, $\bar{c}c$ decay channels with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.		
729	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	9
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741	Measurement of the relative width difference of the B^0 system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
742	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
743	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
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749	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
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758	Search for the decay $B_s \rightarrow \tau^+ \tau^-$ in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, .	1.6	7
759	Search for scalar leptoquark pairs decaying to $t\bar{t}q\bar{q}$ in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	1.6	7
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763	Measurement of σ_{au} , polarisation in $Z/\gamma \rightarrow \text{au}$. European Physical Journal C, 2018, 78, 163.	1.4	7
764	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
765	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	1.4	7
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768	D_s^+ decays to $\tau^+ \nu_\tau$ and $\tau^+ \nu_\tau$. Physical Review Letters, 1992, 68, 1275-1278.	2.9	6
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