

Andre Do Valle Wemans

List of Publications by Year in descending order

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Version: 2024-02-01

364
papers

32,568
citations

4960

84
h-index

5255

165
g-index

367
all docs

367
docs citations

367
times ranked

12029
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	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	1.2	1,752
3	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	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.	7.8	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, 192301.	7.8	581
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	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
8	Combined search for the Standard Model Higgs boson using up to 4.9 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	328
9	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	2.9	314
10	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.	3.9	268
11	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
12	Search for high-mass dilepton resonances in pp collisions at the ATLAS detector. Physical Review D, 2014, 90, .	4.7	237
13			

#	ARTICLE	IF	CITATIONS
19	Jet energy resolution in proton-proton collisions at $\sqrt{s}=7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	3.9	209
20	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.	3.9	204
21	Measurement of the Higgs boson mass from the 4ℓ decay channel in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Nuclear Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 1255, 1-5.	4.1	195
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.	4.7	176
23	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
24	Measurement with the ATLAS detector of multi-particle azimuthal correlations in pp collisions at $\sqrt{s}=7$ TeV. Nuclear Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 1255, 1-5.	7.8	171
25	Measurement of the differential cross-sections of inclusive, prompt and non-prompt J/ψ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 1255, 1-5.	4.1	169
26	Measurement of the inclusive W and Z boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, 012004.	7.8	168
27	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	2.5	163
28	Measurement of the inelastic proton-proton cross-section at $\sqrt{s}=7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	12.8	160
29	Measurements of Higgs boson production and couplings in the four-lepton channel in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, 012004.	4.7	158
30	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2014, 889, 486-548.	2.5	155
31	Measurement of hard double-parton interactions in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	2.9	147
32	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	146
33	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.	4.7	145
34	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	4.1	143

#	ARTICLE	IF	CITATIONS
37	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 8TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
38	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1. Search for Supersymmetry Using Final States with One Lepton, Jet, and Missing Transverse Momentum with the ATLAS Detector	4.7	137
39	Search for Supersymmetry Using Final States with One Lepton, Jet, and Missing Transverse Momentum with the ATLAS Detector in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 131802.	7.8	136
40	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ and 8TeV using the ATLAS detector. Physical Review D, 2012, 86, . Measurements of the Nuclear Modification Factor for Jets in pp Collisions	4.7	135
41	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ and 8TeV using the ATLAS detector. Physical Review D, 2012, 86, . Measurements of the Nuclear Modification Factor for Jets in pp Collisions	7.8	135
42	Measurement of event-plane correlations in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review C, 2014, 90, . Charged-particle multiplicities in pp interactions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector	4.7	134
43	Charged-particle multiplicities in pp interactions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Nuclear, Elementary Particle, and High Energy Physics, 2010, 600, 21-42.	7.8	133
44	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
45	Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. Physical Review Letters, 2014, 112, .	7.8	130
46	Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s}=8$ and 7TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	7.8	129
47	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8$ and 7TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1. Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector	4.7	128
48	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review Letters, 2014, 112, 041802.	4.1	126
49	Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ in e^+e^- events using pp collision data at $\sqrt{s}=7$; 7TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1. Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector	4.7	126
50	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review D, 2014, 90, .	4.7	126
51	Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review D, 2014, 90, .	7.8	123
52	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review D, 2011, 83, .	4.7	121
53	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s}=7$ and 8TeV with the ATLAS detector. Physical Review D, 2011, 83, .		

#	ARTICLE	IF	CITATIONS
55	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c\bar{c}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	3.9	119
56	Search for new resonances in Wt and Zt final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 428-447.	7.8	117
57	Search for new physics in dijet mass and angular distributions in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ measured with the ATLAS detector. New Journal of Physics, 2011, 13, 053044.	2.9	116
58	Measurement of inclusive jet and dijet cross sections in p - p collisions at $\sqrt{s} = 7 \text{ TeV}$ centre-of-mass energy with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	114
59	Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 161801.	7.8	113
60	Measurement of the t -channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 428-447.	4.1	113
61			
62			

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73	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 2056.	3.9	101
74	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	100
75	Search for Higgs Boson Pair Production in the Final State Using pp Collision Data at $\sqrt{s} = 8\text{ TeV}$ from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.	7.8	98
76	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	3.9	95
77	Search for the Standard Model Higgs boson in the decay channel $H \rightarrow ZZ \rightarrow 4\ell$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	7.8	93
78	Centrality and rapidity dependence of inclusive jet production in $\sqrt{s} = 7\text{ TeV}$ pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	4.7	93
79	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
80	Observation of a New State in Radiative Transitions $\gamma \rightarrow \gamma \gamma$ in $\sqrt{s} = 7\text{ TeV}$ pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	7.8	90
81	Search for the $b\bar{b} \rightarrow WZ$ 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.	4.7	90
82	Search for the $b\bar{b} \rightarrow WZ$ 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.	4.7	89
83	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7\text{ TeV}$ pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
84	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
85	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82
86	Observation of an Excited State with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	7.8	82
87	Search for Dilepton Resonances in $\sqrt{s} = 7\text{ TeV}$ pp Collisions at the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	7.8	81
88	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
89	Search for Dilepton Resonances in $\sqrt{s} = 7\text{ TeV}$ pp Collisions at the ATLAS Detector. Physical Review Letters, 2011, 107, 272002.	7.8	80
90	Measurement of γ production in $\sqrt{s} = 7\text{ TeV}$ pp collisions at ATLAS. Physical Review D, 2013, 87, .	4.7	78

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91	Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-150.	12.6	74
92	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.	3.9	77
93	Search for resonant diboson production in the pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 8-27.	4.7	76
94	Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in pp Collisions Using 36.1 fb ⁻¹ of ATLAS Data. Physical Review Letters, 2012, 109, 211803.	12.6	75
95	Search for new physics in the dijet mass distribution using 36.1 fb ⁻¹ of pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	4.7	74
96	A Particle Consistent with the Higgs Boson Observed with the ATLAS Detector at the Large Hadron Collider. Science, 2012, 338, 1576-1582.	12.6	74
97	Search for resonant diboson production in the pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
98	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.	4.7	73
99	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 8-27.	4.7	71
100	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.	4.7	71
101	Measurement of underlying event characteristics using charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 8-27.	4.7	71
102	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.	4.7	70
103	Measurement of the dijet mass differential cross-section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, 074011.	4.7	68
103	Measurement of the dijet mass 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, 2012, 725, 222-242.	4.7	68
104	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.	4.1	69
105	Comprehensive measurements of t -channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2014, 89, 074011.	4.7	68
106	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
107	Searches for heavy long-lived sleptons and R-hadrons 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, 720, 277-308.	4.1	67
108	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s\bar{s}$ $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66

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109	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
110	Measurement of the $W \rightarrow \tau \nu$, $Z \rightarrow \tau \tau$ and $Z \rightarrow \tau \nu$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
111	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
112	Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.	7.8	63
113	Measurement of Z Boson Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 110, 022301.	7.8	63
114	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
115	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61
116	Measurement of Dijet Azimuthal Decorrelations in $\sqrt{s} = 7$ TeV pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 172002.	7.8	61
117	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
118	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
119	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ γ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
120	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
121	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
122	Measurement of WZ and $Z\gamma$ production in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	60
123	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
124	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
125	Search for the decay $B \rightarrow \tau \nu$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 387-407.	4.1	59
126	Measurement of $W \rightarrow Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59

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127	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
128	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.	7.8	59
129	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
130	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.	4.7	59
131	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. Journal of High Energy Physics, 2013, 2013, 1.	4.1	58
132	Fiducial and differential cross sections of Higgs boson production/ measured in the four-lepton decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 317, 299-304.	4.1	58
133	Measurement of the fiducial and differential cross sections of Higgs boson production/ measured in the four-lepton decay channel in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 317, 299-304.	4.7	58
134	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
135	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.	4.1	57
136	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	4.1	57
137	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s}=7$ TeV pp collisions using 1 fb of ATLAS data. Physical Review D, 2012, 85, .	4.7	57
138	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
139	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
140	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.	7.8	57
141	Search for Long-lived Stopped Resonances in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	57
142	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
143	Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 317, 299-304.	4.1	56
144	Search for the Standard Model Higgs boson decay to $\tau\tau$ in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 68-86.	4.1	56

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145	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	55
146	Search for direct top squark pair production in events with a Z boson, b -jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Search for Supersymmetry On pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	3.9	55
147	Search for Supersymmetry On pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.1	54
148	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
149	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
150	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb^{-1} of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
151	Measurement of the cross-section for W boson production in association with b -jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
152	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
153	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
154	Performance of jet substructure techniques for large- R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
155	Search for the lepton-flavor violating decay $Z \rightarrow e\tau$ at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.		52
156	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	3.9	51
157	Measurement of the top quark mass with the template method in the $\text{lepton}+\text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
158	Measurements of Four-Lepton Production at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	7.8	51
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164	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
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