

# S P Amor Dos Santos

## List of Publications by Year in descending order

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520  
papers

32,964  
citations

6606

79  
h-index

6465

157  
g-index

529  
all docs

529  
docs citations

529  
times ranked

12047  
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	Combined Measurement of the Higgs Boson Mass in $pp$ Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	2.9	1,062
3	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
4	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC $pp$ collision data at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	473
5	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
6	Observation of Associated Near-Side and Away-Side Long-Range Correlations in $pp$ Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302.	2.9	1,062
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	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
9	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
10	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
11	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
12	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
13	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
14	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
15	Measurement of Long-Range Elliptic Azimuthal Anisotropies in $pp$ Collisions with the ATLAS Detector. Physical Review Letters, 2016, 116, 172301.	2.9	1,062
16	Measurement of the W-boson mass in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	1.4	218
17	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	1.4	213
18	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

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19	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel at $\sqrt{s} = 8$ TeV in $pp$ collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	1.4	197
20	Search for high-mass dilepton resonances using 139 fb <sup>-1</sup> of $pp$ collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 76, 45.	1.5	196
21	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s} = 13$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2016, 117, 182002.	2.9	185
22	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	1.4	181
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.	1.6	175
24	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
25	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
26	Measurement with the ATLAS detector of multi-particle azimuthal correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191.	1.5	169
27	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191.	1.5	169
28	Search for Scalar Diphoton Resonances in the Mass Range $65 \leq m_{\gamma\gamma} < 600$ GeV with the ATLAS Detector in $pp$ Collision Data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2014, 113, 171801.	2.9	168
29	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
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.	0.9	155
31	Measurement of the transverse momentum and $\phi \rightarrow \tau \nu$ distributions of Drell-Yan lepton pairs in proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
32	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
33	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
34	Precision measurement and interpretation of inclusive $W^+W^-$ production with the ATLAS detector. European Physical Journal C, 2017, 77, 367.	1.4	145
35	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 211801.	2.9	145
36	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

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37	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510. Observation of $H \rightarrow b\bar{b}$ decays and VH production with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 359, 287-297.	1.4	138
38	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.	1.5	138
39	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	1.6	136
40	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.	2.9	133
41	Measurement of the $Z/\bar{\nu}^*$ boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.4	132
42	Search for Invisible Decays of a Higgs Boson Produced in Association with a $Z$ Boson in ATLAS. Physical Review Letters, 2014, 112, .	1.6	131
43	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.	2.9	130
44	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	130
45	Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P12006-P12006.	1.4	125
46	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.	2.9	123
47	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.4	123
48	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
49	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	1.4	115
50	Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 302-322.	1.1	111
51	Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review C, 2014, 90, .	1.4	109
52	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.		

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55	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	108
56	Search for heavy resonances decaying into $WW$ in the $e^+e^- \rightarrow \mu^+\mu^- \gamma \gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	1.4	108
57	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s} = 2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	1.4	105
58	Search for heavy ZZ resonances in the $e^+e^- \rightarrow \mu^+\mu^- \gamma \gamma$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.4	101
59	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 887, 135110.	2.9	97
60	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using $pp \rightarrow \tau^+\tau^- \gamma \gamma$ Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 051801.	1.4	95
61	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
62	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
63	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413.	1.4	93
64	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
65	Measurements of the $W^+W^-$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
66	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
67	Search for the $b\bar{b} \rightarrow \gamma\gamma$ 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
68	Measurement of $W^+W^-$ and Z-boson production cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 601-621.	1.4	88
69	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
70	Measurement of multi-particle azimuthal correlations in pp, $p\bar{A}+A$ Pb and low-multiplicity $Pb\bar{A}+A$ Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
71	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physical Review C, 2015, 92, 054907.	1.4	84
72	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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73	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
74	Observation of an Excited $B_c$ State with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	2.9	82
75	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
76	Measurement of the prompt $J/\psi$ 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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
86	Measurement of quarkonium production in 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
87	Observation of Light-by-Light Scattering in Ultraperipheral Pb-Pb Collisions with the ATLAS Detector. Physical Review Letters, 2019, 123, 052001.	2.9	75
88	Search for resonant diboson production in the $\ell\ell\gamma q$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
89	Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 191803.	2.9	74
90	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 108-128.	1.5	74

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91	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
92	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
93	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.	1.4	72
94	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
95	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
96	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
97	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
98	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.	1.4	70
99	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
100	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}$ Decay Channel in $\sqrt{s} = 13$ TeV pp Collisions with the ATLAS Detector. Journal of High Energy Physics, 2016, 2016, 1.	2.9	70
101	Search for new phenomena in high-mass diphoton final states using 37.1 fb <sup>-1</sup> of proton-proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 105-125.	1.4	68
102	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.	1.4	68
103	ATLAS data quality operations and performance for 2015-2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	0.5	68
104	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
105	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
106	Dijet Resonance Search with Weak Supervision Using $\sqrt{s} = 13$ TeV pp Collisions in the ATLAS Detector. Physical Review Letters, 2020, 125, 131801.	2.9	67
107	A search for $t\bar{t}A$ 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
108	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

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109	Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\text{a}}\% \langle \text{mml:mi} \rangle$	2.9	64
110	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
111	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
112	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
113	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
114	Measurement of the Higgs boson mass in the $H \rightarrow \tau\tau$ and $H \rightarrow \tau\tau$ channels with $\sqrt{s} = 13$ TeV $pp$ collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	1.4	62
115	Performance of the ATLAS muon trigger in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
116	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
117	Performance of the ATLAS muon triggers in Run 2. Journal of Instrumentation, 2020, 15, P09015-P09015.	0.5	62
118	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H \rightarrow W\tau$ in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	1.4	61
119	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
120	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
121	Prompt and non-prompt $\psi(2S)$ and $\psi(1S)$ 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
122	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
123	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135980.	1.5	61
124	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
125	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.	1.6	60
126	Search for a new resonance decaying to a $W$ or $Z$ boson and a Higgs boson in the $u\bar{u} \rightarrow u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60



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127	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.	1.4	60
128	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
129	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
130	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	1.4	58
131	Measurement of the $\Lambda^0$ production cross-section using $e^+e^-$ events with b-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 67-88.	1.5	57
132	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	1.4	56
133	Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. New Journal of Physics, 2016, 18, 093016.	1.2	56
134	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	56
135	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. European Physical Journal C, 2014, 74, 2883.	1.4	55
136	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	1.6	55
137	Charged-particle distributions in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 67-88.	1.5	54
138	Search for pair production of Higgs bosons in the $gg \rightarrow b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	55
139	Measurements of fiducial cross-sections for $t\bar{t}\gamma$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	1.4	54
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182	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
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268	Measurement of the cross section for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 473-493.	1.5	29
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270	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	29



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272	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	1.4	28
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274	Measurement of the Drell-Yan triple-differential cross section in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	28
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276	A search for the $Z\gamma$ decay mode of the Higgs boson in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	1.5	28
277	Measurement of the Lund Jet Plane Using Charged Particles in $13$ TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 222002.	2.9	28
278	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	28
279	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\bar{\nu}_\tau$ -lepton in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.1	27
280	Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	2.9	27
281	Search for metastable heavy charged particles with large ionisation energy loss in $pp$ collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	1.4	27
282	Measurements of top-quark pair differential cross-sections in the $t\bar{t}e\bar{\nu}_e$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
283	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\bar{\nu}_\tau$ -lepton in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
284	Search for dark matter in association with a Higgs boson decaying to $b$ -quarks in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	1.6	26
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288	Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $t\bar{t}e\bar{\nu}_e$ dilepton events from $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, .	1.4	26

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289	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $W^{\pm}W^{\pm}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
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297	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2016, 76, 517.	1.4	24
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299	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. Physical Review C, 2017, 95, 054907.	1.1	24
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301	Measurement of fiducial and differential $W^{\pm}W^{\pm}$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review C, 2019, 99, 054907.	1.1	24
302	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
303	Measurement of fiducial and differential $W^{\pm}W^{\pm}$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
304	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
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306	Determination of the Ratio of Quark Fragmentation Fractions $R_{b/c}$ in $W^{\pm}Z$ Production. Physical Review Letters, 2015, 115, 262001.	2.9	23

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309	Search for new phenomena in different-flavour high-mass dilepton final states in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	1.4	23
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311	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
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317	High-ET isolated-photon plus jets production in $pp$ collisions at $\sqrt{s} = 8$ TeV. Search for low-mass resonances decaying into two jets and produced in association with a photon using $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 56-75.	0.9	22
318	Search for low-mass resonances decaying into two jets and produced in association with a photon using $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 56-75.	1.5	22
319	Measurements of top-quark pair spin correlations in the $e\mu$ channel at $\sqrt{s} = 13$ TeV using $pp$ collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
320	Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135426.	1.5	22
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323	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e\mu$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	1.4	21
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326	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 750-767.	1.5	21
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328	Search for a Heavy Neutral Particle Decaying to $b\bar{b}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 781, 327-348.	2.9	20
329	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
330	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
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332	Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	20
333	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	1.5	20
334	Search for $W\bar{a}t\bar{a}tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 327-348.	1.5	20
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336	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.	2.9	20
337	Measurement of $k_T$ splitting scales in $W\bar{a}t\bar{a}$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	1.4	19
338	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	1.6	19
339	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 229-245.	1.5	19
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345	Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 557-577.	1.5	19
346	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
347	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb <sup>-1</sup> of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
348	Measurement of colour flow with the jet pull angle in $t\bar{t}$ events using the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 68-88.	1.5	18
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350	Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 68-88.	1.6	18
351	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
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360	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17

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362	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 136-158.	1.6	17
363	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
364	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
365	Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
366	Search for type-III seesaw heavy leptons in dilepton final states in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	17
367	Measurement of the associated production of a Higgs boson decaying into $b$ -quarks with a vector boson at high transverse momentum in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 770, 395-402.	1.5	17
368	Search for Displaced Leptons in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2023, 127, 051802.	2.9	17
369	Measurement of the associated production of a Higgs boson decaying into $b$ -quarks with a vector boson at high transverse momentum in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 770, 395-402.	1.6	16
370	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s}=8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
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372	Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 249-268.	1.5	16
373	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
374	Top-quark mass measurement in the all-hadronic $t \rightarrow b \tau^+ \nu_\tau$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
375	Measurement of colour flow using jet-pull observables in $t \bar{t} \rightarrow b \bar{b} \tau^+ \nu_\tau$ events with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
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380	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \ell^+ \ell^- \gamma$ with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
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382	Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 206-228.	1.6	15
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385	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
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387	Measurement of the production cross-section of a single top quark in association with a W boson at $8 \text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
388	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13 \text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
389	Studies of $Z \rightarrow \ell^+ \ell^-$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
390	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 578-602.	1.6	14
391	Measurement of $VH$ production as a function of the vector-boson transverse momentum in $13 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
392	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
393	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 1.	1.4	14
394	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s} = 13 \text{ TeV}$ Using the ATLAS Detector. Physical Review Letters, 2021, 127, 141801.	2.9	14
395	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
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398	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	13
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402	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
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405	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 102.	1.4	13
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407	Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy	1.5	13
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409	Measurement of the CP-violating phase $\arg(\Gamma_{12})$ in $B_s^0 \rightarrow \psi\psi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	1.4	13
410	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
411	Search for long-lived charginos based on a disappearing-track signature using 136 fb $^{-1}$ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	13
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423	Measurement of the production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 772, 257-270.	1.5	12
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426	Search for supersymmetry in events with four or more charged leptons in 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
427	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	12
428	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
429	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
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438	Two-particle azimuthal correlations in photonuclear ultraperipheral collisions at 5.02 TeV with ATLAS. Physical Review C, 2021, 104, .	1.1	11
439	Exclusive dimuon production in ultraperipheral collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review C, 2021, 104, .	1.1	11
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442	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	1.4	10
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447	Evidence for the production of three massive vector bosons with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134913.	1.5	10
448	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb <sup>-1</sup> of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135082.	1.5	10
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458	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8$ TeV using the ZZ $\rightarrow \tau^+\tau^-$ , $\tau^+\tau^+\nu_\tau$ , $\tau^-\tau^-\nu_\tau$ and ZZ $\rightarrow \tau^+\tau^-$ , $\tau^+\tau^+\nu_\tau$ , $\tau^-\tau^-\nu_\tau$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
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508	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. , 2015, 2015, 1.		3
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511	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \tau^+ \tau^- J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
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