

J Katharina Behr

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5029638/publications.pdf>

Version: 2024-02-01

474
papers

21,816
citations

12303

69
h-index

19136

118
g-index

491
all docs

491
docs citations

491
times ranked

10269
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for new phenomena in three- or four-lepton events in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 824, 136832.	1.5	7
2	Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. Computing and Software for Big Science, 2022, 6, 1.	1.3	5
3	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	1.4	6
4	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	14
5	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
6	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
7	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
8	AtI Fast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
9	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} \rightarrow \mu^{\pm} \pi^{\pm} \nu_{\mu} \nu_{\tau}$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
10	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	1.4	5
11	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137066.	1.5	8
12	Measurement of the nuclear modification factor for muons from charm and bottom hadrons in Pb+Pb collisions at 5.02 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 829, 137077.	1.5	9
13	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7
14	A search for an unexpected asymmetry in the production of e^+e^- and e^+e^- pairs in proton-proton collisions recorded by the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 830, 137106.	1.5	1
15	Measurement of the energy asymmetry in $t\bar{t}$ production at 13 TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2
16	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, 1.	1.4	12
17	Measurements of azimuthal anisotropies of jet production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV with the ATLAS detector. Physical Review C, 2022, 105, .	1.1	6
18	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

#	ARTICLE	IF	CITATIONS
19	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. European Physical Journal C, 2022, 82, .	1.4	3
20	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
21	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
22	Measurement of the jet mass in high transverse momentum $Z(\tau^+\tau^-)$ production at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135991.	1.5	1
23	Medium-Induced Modification of Z -Tagged Charged Particle Yields in pp Collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS Detector. Physical Review Letters, 2021, 126, 072301.	2.9	7
24	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	37
25	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	1.4	12
26	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38
27	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
28	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
29	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb^{-1} of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
30	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
31	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion or Z production in Fully Hadronic Final States. Physical Review Letters, 2021, 126, 122301.	2.9	6
32	Longitudinal Flow Decorrelations in pp Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 126, 122301.	2.9	17
33	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
34	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	22
35	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	18
36	Measurement of the CP-violating phase ϕ_{13} in $B_s \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	1.4	13

#	ARTICLE	IF	CITATIONS
37	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	15
38	Search for heavy resonances decaying into a pair of Z bosons in the $\ell\ell^+\ell\ell^-$ and $\ell\ell^+\ell\ell^-u$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	40
39	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	18
40	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. <i>Physics Letters B</i> , 2021, 816, 136190.	1.5	17
41	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell b\bar{b}$ and $\ell\ell W$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	26
42	Observation of photon-induced $W+W$ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters B</i> , 2021, 816, 136190.	1.5	6
43	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. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	23
44	Measurements of $W+W$ + 1 jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	8
45	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	46
46	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	14
47	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	27
48	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021, 17, 819-825.	6.5	8
49	Search for Displaced Leptons in W -boson decays with the ATLAS detector. <i>Physical Review Letters</i> , 2021, 127, 051802.	2.9	17
50	Test of the universality of τ , and τ lepton couplings in W-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021, 17, 813-818.	6.5	15
51	Two-particle azimuthal correlations in photonuclear ultraperipheral $Pb-Pb$ collisions at 5.02 TeV with ATLAS. <i>Physical Review C</i> , 2021, 104, .		
52	Search for supersymmetry in events with four or more charged leptons in 139 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	12
53	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	10
54	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	8

#	ARTICLE	IF	CITATIONS
55	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
56	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
57	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2021, 16, P07029.	0.5	6
58	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
59	The ATLAS Fast Tracker system. Journal of Instrumentation, 2021, 16, P07006.	0.5	5
60	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
61	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
62	Evidence for Higgs boson decays to a low-mass dilepton system and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136412.	1.5	8
63	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025.	0.5	3
64	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
65	Exclusive dimuon production in ultraperipheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physical Review C, 2021, 104, 014907.	1.1	11
66	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at $\sqrt{s} = 13$ TeV Using the ATLAS Detector. Physical Review Letters, 2021, 127, 141801.	2.9	14
67	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
68	Search for resonances decaying into photon pairs in $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136651.	1.5	21
69	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
70	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	1.4	5
71	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
72	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

#	ARTICLE	IF	CITATIONS
73	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
74	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
75	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
76	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
77	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
78	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
79	Search for Lepton-Flavor Violation in Z-Boson Decays with Leptons with the ATLAS Detector. Physical Review Letters, 2021, 127, 271801	2.9	8
80	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K^* \ell$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
81	LHC Dark Matter Working Group: Next-generation spin-0 dark matter models. Physics of the Dark Universe, 2020, 27, 100351.	1.8	36
82	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135114.	1.5	14
83	Search for non-resonant Higgs boson pair production in the $b\bar{b}\gamma$, $1/2a_s$, $1/2$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Search for the Higgs boson decays $H \rightarrow \tau^+ \tau^- e e$ and $H \rightarrow \tau^+ \tau^- e \mu$ in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135145.	1.5	13
84	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	31
85	Searches for lepton-flavour-violating decays of the Higgs boson in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	30
86	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb $^{-1}$ 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
87	A search for the Z γ decay mode of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135083.	1.5	53
88	Search for the Higgs boson decaying into a photon and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135084.	1.5	28
89	Measurement of azimuthal anisotropy of muons from charm and bottom hadrons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135085.	2.9	67
90	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.5	17

#	ARTICLE	IF	CITATIONS
91	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
92	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
93	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32
94	Measurement of the $\tilde{t}\bar{t}$ production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.5	12
95	Performance of the ATLAS muon triggers in Run 2. Journal of Instrumentation, 2020, 15, P09015-P09015.	0.5	62
96	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	34
97	Properties of Higgs Boson Interactions with Top Quarks in the $\tilde{t}\bar{t}H$ and $\tilde{t}\bar{t}H\gamma$ channels at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	40
98	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
99	Search for the $HH \rightarrow \gamma\gamma$ 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
100	Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
101	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using $pp \rightarrow H_{\pm} \tau^{\pm} \tau^{\pm}$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	97
102	Measurement of the azimuthal anisotropy of charged-particle production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review C, 2020, 101, .	1.1	29
103	Measurements of top-quark pair spin correlations in the e^+e^- channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
104	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. Journal of Instrumentation, 2020, 15, P11016-P11016.	0.5	4
105	Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using $13\text{ TeV } pp$ Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.	2.9	20
106	Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
107	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	36
108	ATLAS data quality operations and performance for 2015–2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	0.5	68

#	ARTICLE	IF	CITATIONS
109	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
110	Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau^+ \tau^- \ell, \bar{\ell}$ 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
111	Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
112	Measurement of the σ_{prod} production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, .	1.4	26
113	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
114	Search for Z boson production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135002.	1.5	11
115	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 031802.	2.9	25
116	Search for $\overline{\chi\chi}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
117	Reconstruction and identification of boosted di- ℓ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
118	Evidence for electroweak production of two jets in association with a Z pair in pp 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	9
119	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 125, 251802.	2.9	6
120	Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. Physical Review Letters, 2020, 125, 261801.	2.9	22
121	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
122	Search for top squarks in events with a Higgs or Z boson using 139 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
123	Evidence for $\tau\tau$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	30
124	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
125	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	36
126	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12

#	ARTICLE	IF	CITATIONS
127	Determination of jet calibration and energy resolution in proton–proton collisions at $\sqrt{s} = 8\text{-}\sqrt{\text{TeV}}$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
128	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13\text{ TeV}$ pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. Combination of Searches for Invisible Higgs Boson Decays with Light Quarks and Gluons from	1.6	49
129	Search for high-mass dilepton resonances using 139 fb⁻¹ of pp collision data collected at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947. $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	2.9	23
130	Search for high-mass dilepton resonances using 139 fb ⁻¹ of pp collision data collected at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	1.5	196
131	Observation of Light-by-Light Scattering in Ultraperipheral Pb-Pb Collisions with the ATLAS Detector. Physical Review Letters, 2019, 123, 052001.	2.9	75
132	Measurement of prompt photon production in Pb-Pb collisions with the ATLAS Detector. Physical Review Letters, 2019, 123, 052001.	1.5	10
133	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	2.9	133
134	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623. Search for low-mass resonances decaying into muons and produced in association with a photon	1.2	424
135	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $\text{H}\ell\ell$ and $\text{WZ}\ell\ell$ channels in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	1.5	22
136	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $\text{H}\ell\ell$ and $\text{WZ}\ell\ell$ channels in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	1.5	13
137	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $\text{H}\ell\ell$ and $\text{WZ}\ell\ell$ channels in pp collisions with the ATLAS detector at $\sqrt{s} = 13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	1.5	39
138	Measurement of the cross-section and charge asymmetry of W bosons produced in proton–proton collisions at $\sqrt{s} = 8\text{-}\sqrt{\text{TeV}}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1. Observation of Electroweak Production of a Same-Sign W^{\pm}Z Boson Pair in Association with Two Jets in pp Collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS Detector.	1.4	24
139	Observation of Electroweak Production of a Same-Sign W^{\pm}Z Boson Pair in Association with Two Jets in pp Collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS Detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134947.	2.9	53
140	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton–proton collision data at $\sqrt{s} = 13\text{-}\sqrt{\text{TeV}}$. European Physical Journal C, 2019, 79, 1.	1.4	77
141	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
142	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $s = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	1.5	9
143	Correlated long-range mixed-harmonic fluctuations measured in pp , p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 444-471. Observation of electroweak W^{\pm}Z boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector.	1.5	25
144	Observation of electroweak W^{\pm}Z boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 469-492.	1.5	38

#	ARTICLE	IF	CITATIONS
145	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 499-519.	1.6	33
146	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
147	Combinations of single-top-quark production cross-section measurements and $ f_{LVtb} $ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
148	Measurement of $VH, \overline{H}b$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
149	Measurements of inclusive and differential fiducial cross-sections of $t\overline{t}$ 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
150	Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
151	Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	1.4	42
152	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 29, 122, 151801.		12
153	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	0.5	37
154	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 595-614.	1.6	8
155	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
156	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	28
157	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.	1.4	46
158	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
159	Measurement of the nuclear modification factor for inclusive jets in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 2.76 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 109-125.	1.5	74
160	Search for pair production of Higgs bosons in the $\overline{b}b$ 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
161	Measurement of the gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow WW \rightarrow e\overline{\nu}e\nu$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 508-529.	1.5	46
162	Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24

#	ARTICLE	IF	CITATIONS
163	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
164	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	9
165	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.	0.5	124
166	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
167	Measurement of angular and momentum distributions of charged particles within and around jets in proton-proton collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.1	11
168	Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t}+jets$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	34
169	Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.5	31
170	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}\gamma\gamma$ final state in pp collision at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.5	20
171	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}\gamma\gamma$ final state in pp collision at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.5	20
172	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 167-190.	1.5	28
173	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.1	46
174	Search for High-Mass Resonances Decaying to $t\bar{t}$ in proton-proton collisions with the ATLAS detector at the CERN Large Hadron Collider. Physical Review C. 2018, 97, 014001.	2.9	50
175	Search for resonances decaying into a Higgs boson and a new particle X in the $XH\rightarrow q\bar{q}bb$ final state with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 24-45.	1.5	8
176	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb $^{-1}$ of pp collisions at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
177	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
178	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
179	Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 316-335.	1.1	8
180	Measurement of the exclusive $1\gamma\rightarrow 1\gamma+1\gamma$ process 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, 777, 303-323.	1.5	38

#	ARTICLE	IF	CITATIONS
181	Search for diboson resonances with boson-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, 2018, 777, 91-113.	1.4	13
182	Search for new phenomena in high-mass final states with a photon and a jet from $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.	1.4	13
183	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	1.4	52
184	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0 TeV. European Physical Journal C, 2018, 78, 142.	1.4	59
185	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
186	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.	1.4	20
187	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ 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
188	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
189	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
190	Search for heavy resonances decaying into WW in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	1.4	108
191	Direct top-quark decay width measurement in the $t \rightarrow b \tau^+ \nu_\tau$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
192	Search for W/WZ resonance production in $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
193	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\tau$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
194	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
195	Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 55-76.	1.6	14
196	Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 55-76.	1.6	13
197	Search for a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 318-337.	1.5	54
198	Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	1.4	19

#	ARTICLE	IF	CITATIONS
199	Search for Higgs boson pair production in the $\gamma\gamma WW^* \rightarrow \gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	1.4	53
200	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
201	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physical Review C, 2018, 98.	1.1	12
202	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.	1.8	13
203	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, 212301.	2.9	145
204	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 68-88.	2.9	41
205	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 401.	1.4	50
206	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}$ Decay Channel in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2018, 121, 212301.	2.9	70
207	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	30
208	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	1.4	51
209	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	1.4	181
210	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s} = 4$ TeV. Journal of Instrumentation, 2018, 13, P12006-P12006.	0.5	2
211	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
212	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
213	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
214	Combined measurement of differential and total cross sections in the $H \rightarrow \tau\tau$ and the $H \rightarrow Z\tau\tau$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.6	42
215	Searches for $\chi\chi$ and Z boson decays into J/ψ , $\Upsilon(2S)$, and $\Upsilon(1S)$ at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.5	20
216	Observation of $H \rightarrow \tau\tau$ decays and VH production with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.5	138

#	ARTICLE	IF	CITATIONS
217	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ\gamma\gamma$, $Z\gamma\gamma$, and $\gamma\gamma$ final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 223-244.	1.5	43
218	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $5.02\text{-}5.02\text{ TeV Pb+Pb}$ collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
219	Search for new narrow singly and doubly resonant top-quark production in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	2.9	16
220	Measurement of the Higgs boson mass in the $ZZ\gamma\gamma$, $Z\gamma\gamma$, and $\gamma\gamma$ channels with $\sqrt{s}=13\text{ TeV}$ pp collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	1.6	40
221	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
222	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 487.	1.4	10
223	Search for R-parity-violating supersymmetric particles in multi-jet final states produced in pp collisions at $\sqrt{s}=13\text{ TeV}$ using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	2.9	16
224	Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	2.9	41
225	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
226	Measurement of jet fragmentation in $Pb+Pb$ and pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Physical Review C, 2018, 98, 1.	1.1	24
227	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 625.	2.9	33
228	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. Physical Review Letters, 2018, 120, 211802.	1.4	27
229	Search for a Structure in the $B\rightarrow\mu\mu$ Invariant Mass Spectrum with the ATLAS Experiment. Physical Review Letters, 2018, 120, 202007.	2.9	53
230	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
231	Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $\tau\tau$ final state in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 750-767.	1.4	27
232	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
233	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
234			

#	ARTICLE	IF	CITATIONS
235	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
236	Measurement of σ_{pol} , polarisation in $Z/\gamma \rightarrow \mu\mu$. European Physical Journal C, 2018, 78, 163.	1.4	7
237	Searches for heavy ZZ and ZW resonances in the $\mu\mu$, $\mu\tau$, $\tau\tau$ and $\mu\tau$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
238	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\mu\mu$, $\mu\tau$, $\tau\tau$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 392-414.	1.6	13
239	Search for $W \rightarrow tb$ decays in the hadronic final state using pp collisions at $s=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 327-348.	1.5	20
240	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
241	Measurement of differential cross sections and $W^+/\overline{W^+}$ cross-section ratios for W boson production in association with jets at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
242	Combination of inclusive and differential $\overline{\text{t}}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
243	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, 2018, 783, 392-414.	1.6	20
244	Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\mu\mu$, $\mu\tau$, $\tau\tau$ final state 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, 132-153.	1.5	21
245	Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 132-153.	1.5	21
246	Measurement of the $\sigma(\text{t}\overline{\text{t}}Z)$ and $\sigma(\text{t}\overline{\text{t}}W)$ production cross sections in multilepton final states using 3.2 fb $^{-1}$ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
247	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.	1.4	29
248	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $s=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
249	Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 11-20.	1.6	20
250	Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 220.	1.4	11
251	Measurement of the W boson polarisation in $\text{t}\overline{\text{t}}$ events from pp collisions at $\sqrt{s}=8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	1.4	37
252	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87

#	ARTICLE	IF	CITATIONS
253	Measurements of top-quark pair differential cross-sections in the e^+e^- channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
254	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
255	High-ET isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 918, 257-316.	0.9	22
256	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
257	Search for triboson $W^+W^-W^+W^-W^\pm W^\pm W^\pm$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
258	Measurement of the W^+W^- production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 361, 170-174.	1.1	13
259	Measurement of the W^+W^- production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 361, 170-174.	1.1	13
260	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
261	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
262	Measurements of electroweak W^+W^-jj production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.4	26
263	Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for W^+W^-jj production in pp collisions at $\sqrt{s} = 13$ TeV and W^+W^-jj production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 466.	1.1	47
264	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
265	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, 361, 479-493.	1.1	20
266	Measurement of multi-particle azimuthal correlations in pp, $p\text{-Pb}$ and low-multiplicity Pb-Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	1.4	86
267	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. Physical Review C, 2017, 95, .	1.1	24
268	Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 051802.	2.9	36
269	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using $b\bar{b}$ Final States. Physical Review Letters, 2017, 119, 181804.	2.9	49
270	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

#	ARTICLE	IF	CITATIONS
271	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
272	Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 206-228.	1.6	15
273	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$. European Physical Journal C, 2017, 77, 804.	1.4	28
274	Measurement of the $\overline{\text{t}}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
275	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the	1.6	9
276	Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $t\bar{t} \rightarrow WZ$ decay channel. Journal of High Energy Physics, 2017, 2017, 1.	1.5	24
277	Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $t\bar{t} \rightarrow WZ$ decay channel. Journal of High Energy Physics, 2017, 774, 379-402.	1.5	17
278	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
279	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	1.4	12
280	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ZZ $\rightarrow \ell\ell$ and ZZ $\rightarrow \ell\ell + \gamma$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33
281	Probing the Wtb vertex structure in t-channel single-top-quark production and decay in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
282	Measurements of $\tilde{\chi}(2S)$ and $\chi(3872) \rightarrow J/\psi \ell^+ \ell^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33
283	Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
284	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
285	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
286	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
287	Measurements of the production cross section of a ZZ Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ s. European Physical Journal C, 2017, 77, 361.	1.4	47
288	Precision measurement and interpretation of inclusive W^+W^- , W^+W^- . European Physical Journal C, 2017, 77, 367.	1.4	145

#	ARTICLE	IF	CITATIONS
289	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ s NN = 2.76. European Physical Journal C, 2017, 77, 379.	1.4	51
290	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
291	Measurement of charged-particle distributions sensitive to the underlying event in $s = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
292	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	1.4	50
293	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
294	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	1.4	19
295	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
296	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
297	Measurement of the inclusive jet cross-sections in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
298	Femtoscopy with identified charged pions in proton-lead collisions at $\sqrt{s} = 5.02$ TeV with ATLAS. Physical Review C, 2017, 96, 1.		
299	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $s = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
300	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	1.4	35
301	Measurement of $WW/WZ \rightarrow \ell \ell \nu \nu q \bar{q}'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	1.4	28
302	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $s = 13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
303	Searches for the $Z\tilde{\chi}^0_3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	30
304	Studies of $Z\tilde{\chi}^0_3$ production in association with a high-mass dijet system in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
305	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
306	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow Z\tilde{\chi}^0_3$, in $s = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	18

#	ARTICLE	IF	CITATIONS
307	Study of $WW\gamma$ and WZ . European Physical Journal C, 2017, 77, 646.	1.4	30
308	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
309	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
310	Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
311	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
312	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	45
313	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
314	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	36
315	Study of the material of the ATLAS inner detector for Run 2 of the LHC. Journal of Instrumentation, 2017, 12, P12009-P12009.	0.5	29
316	Measurement of the k _t splitting scales in $Z\ell^+\ell^-$ events in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
317	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
318	Evidence for the $H\rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
319	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ 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
320	Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 872.	1.4	32
321	Searches for Exotic Physics in ATLAS using Substructure Techniques. Journal of Physics: Conference Series, 2017, 878, 012007.	0.3	0
322	Performance of the ATLAS Transition Radiation Tracker in Run 1 of the LHC: tracker properties. Journal of Instrumentation, 2017, 12, P05002-P05002.	0.5	10
323	A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions. Journal of Instrumentation, 2016, 11, P11020-P11020.	0.5	10
324	Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	30

#	ARTICLE	IF	CITATIONS
325	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10
326	Measurement of event-shape observables in $Z \rightarrow \ell^+ \ell^- Z \rightarrow \nu \bar{\nu}$, $W^+ W^-$ events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	1.4	15
327	Charged-particle distributions in pp interactions at $\sqrt{s}=8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	1.4	30
328	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
329	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	1.4	37
330	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a Z^{\prime} boson in the $\tau^+ \tau^- \ell^+ \ell^-$ final state produced in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	1.4	51
331	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
332	Measurement of the $\overline{b}b$ dijet cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	1.4	12
333	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
334	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
335	Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	1.4	24
336	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
337	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	1.4	48
338	Measurement of total and differential $W + W^{\prime}$ production cross sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. Journal of High Energy Physics, 2016, 2016, .	1.6	47
339	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	1.4	31
340	Measurement of $W+W^{\prime}$ production in association with one jet 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, 763, 114-133.	1.5	4
341	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 114-133.	1.5	4
342	Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $p+p$ collisions measured by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 313-336.	1.5	4

#	ARTICLE	IF	CITATIONS
343	Measurement of the inclusive isolated prompt photon cross section 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	44
344	Dijet production in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with large rapidity gaps at the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 214-234.	1.5	29
345	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
346	Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \tau^+ \tau^-$ decay channel at $s = 8 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 69-85.	1.5	31
347	Measurement of the inclusive cross sections for the production of D mesons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 69-85.	0.9	52
348	Search for flavour-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 12.	1.4	39
349	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 87.	1.4	39
350	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	1.4	10
351	Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43
352	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb^{-1} of proton-proton collision data at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	1.5	39
353	Measurement of W and Z -boson production cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 601-621.	1.5	88
354	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 520-537.	1.5	12
355	Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 520-537.	1.5	12
356	Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 334-352.	1.5	12
357	Study of the rare decays of B^0_s and B^0 into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	1.4	46
358	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ pp collisions. European Physical Journal C, 2016, 76, 517.	1.4	24
359	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
360	Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 229-246.	1.5	19

#	ARTICLE	IF	CITATIONS
361	Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.4	43
362	Measurement of the $W\pm Z$ boson pair-production cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.4	43
363	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	1.4	43
364	Measurement of the top quark mass in the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.5	52
365	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 555-574.	1.5	53
366	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
367	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
368	Search for Higgs and Z boson decays to $\tau\tau$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	2.9	13
369	Centrality, rapidity, and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 117, 111802.	1.1	36
370	Measurement of the Z boson production cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	2.9	31
371	Measurement of the Z boson production cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	2.9	228
372	Measurement of the Z boson production cross-section using e^+e^- events with b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	1.5	57
373	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	1.4	50
374	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
375	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
376	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
377	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	1.4	51
378	Measurement of jet activity in top quark events using the e^+e^- final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4

#	ARTICLE	IF	CITATIONS
379	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
380	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e^+e^-/4l^{1/2}$ with the ATLAS detector at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
381	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
382	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s}=8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
383	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
384	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	1.2	2
385	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.	0.5	11
386	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
387	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
388	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
389	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	1.4	11
390	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	33
391	Searches for heavy diboson resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
392	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
393	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	21
394	Measurement of the CP-violating phase β_s and the B_s^0 meson decay width difference with $B_s^0 \rightarrow e^+e^-/\mu^+\mu^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
395	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
396	Boosting Higgs pair production in the $b\bar{b}b\bar{b}$ final state with multivariate techniques. European Physical Journal C, 2016, 76, 386.	1.4	59

#	ARTICLE	IF	CITATIONS
397	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	38
398	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
399	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
400	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
401	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
402	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
403	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
404	Measurements of four-lepton production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 283-292.	1.5	10
405	Measurement of the 5th-order asymmetry in highly boosted top-quark pair production in pp collision data collected by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 293-300.	1.5	21
406	Measurement of the dependence of transverse energy production at large pseudorapidity on the hard-scattering kinematics of proton-proton collisions at $\sqrt{s}=8$ TeV with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 301-308.	1.5	10
407	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 $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 309-316.	1.5	21
408	Search for new phenomena in proton-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 317-324.	1.5	16
409	Search for new phenomena in proton-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 325-332.	1.5	16
410	Evidence for single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector using the Matrix Element Method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 333-340.	1.5	16
411	Charged-particle distributions in high-energy pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 756, 341-348.	1.5	16
412	Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.	1.5	16
413	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
414	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

#	ARTICLE	IF	CITATIONS
415	Probing lepton flavour violation via neutrinoless $\vec{a}_\mu \rightarrow 3\mu$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	1.4	19
416	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	1.4	9
417	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
418	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	49
419	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	1.6	13
420	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	1.4	109
421	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
422	Measurements of fiducial cross-sections for $t\bar{t}\hat{A}$ 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
423	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{A}^+ J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{A}^+ J/\psi D_s^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40
424	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ H \hat{A}^+ Z Z$ 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
425	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	1.4	43
426	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. , 2016, 76, 1.		1
427	Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 221802.	2.9	48
428	Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the ATLAS and CMS Results. Journal of High Energy Physics, 2016, 2016, 1.	1.1	27
429	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.	1.1	27
430	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay to WZ with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	1.1	44
431	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay to WZ with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	2.9	27
432	Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay to WZ with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.	2.9	27

#	ARTICLE	IF	CITATIONS
433	Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	2.9	20
434	Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 751, 376-395.	2.9	49
435	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	2.9	23
436	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	16
437	Search for lepton-flavour-violating $H \rightarrow \tau^+ \tau^-$, decays of the Higgs boson with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	4
438	Measurement of four-jet differential cross sections in $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-76.	1.6	11
439	Measurement of colour flow with the 3-jet pull tag in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 242-261.	1.5	23
440	Measurement of Λ^+ events using the ATLAS detector at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 242-261.	1.5	18
441	Production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.5	43
442	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. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	66
443	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	67
444	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	33
445	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	108
446	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-39.	1.6	78
447	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	84
448	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. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	71

#	ARTICLE	IF	CITATIONS
451	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
452	Determination of the top-quark pole mass using $t\bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	1.6	25
453	Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
454	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
455	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
456	Combined Measurement of the Higgs Boson Mass in $pp \rightarrow \gamma\gamma$ Collisions at $\sqrt{s}=8$ TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	2.9	1,062
457	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W\gamma$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
458	Measurement of the branching ratio $B(B \rightarrow \tau^+\tau^-)$		

#	ARTICLE	IF	CITATIONS
469	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
470	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	1.4	36
471	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	1.4	42
472	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	1.4	52
473	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
474	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. , 2015, 75, 1.		1