

# Giuliano Gustavino

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5238050/publications.pdf>

Version: 2024-02-01

533  
papers

21,957  
citations

14124

69  
h-index

26792

111  
g-index

554  
all docs

554  
docs citations

554  
times ranked

10175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	1.4	6
2	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
3	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
4	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 $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
5	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with $139 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
6	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
7	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} (\rightarrow \pi^{\pm} \nu_{\pi}) \nu_{\tau}$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
8	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s} = 13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	1.4	5
9	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
10	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2
11	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
12	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
13	Search for squarks and gluinos in final states with jets and missing transverse momentum using $139 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	37
14	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
15	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38
16	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
17	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	17
18	Measurement of light-by-light scattering and search for axion-like particles with $2.2 \text{ nb}^{-1}$ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	1.4	15
24	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- u \bar{u}$ final states using 139 fb <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	40
25	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. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
26	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $e^+e^- \rightarrow b\bar{b} H$ and $e^+e^- \rightarrow W W H$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
27	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
28	Measurements of $W+W\gamma+1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
29	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	46
30	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	14
31	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\bar{l}_\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
32	Search for supersymmetry in events with four or more charged leptons in 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
33	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W_{\pm}$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
34	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
52	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
53	LHC Dark Matter Working Group: Next-generation spin-0 dark matter models. Physics of the Dark Universe, 2020, 27, 100351.	1.8	36
54	Combined measurements of Higgs boson production and decay using up to $\sqrt{s}=13$ TeV of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 101, .		

#	ARTICLE	IF	CITATIONS
55	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, 135145.	1.5	14
56	Search for non-resonant Higgs boson pair production in the $b\bar{b}\gamma$ final state with the ATLAS detector 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
57	Searches for lepton-flavour-violating decays of the Higgs boson in $s = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	31
58	Searches for lepton-flavour-violating decays of the Higgs boson in $s = 13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	30
59	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb <sup>-1</sup> of pp collisions at $s = 13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135082.	1.5	10
60	Combination of searches for Higgs boson pairs 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, 135103.	1.5	53
61	Measurements of inclusive and differential cross-sections of combined $t\bar{t}\gamma$ and $tW$ production in the $e\bar{\nu}_e$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
62	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
63	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
64	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $b\bar{b}$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32
65	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
66	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
67	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
68	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
69	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
70	Search for the HH 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
71	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
72	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	28

#	ARTICLE	IF	CITATIONS
73	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
74	Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
75	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
76	Higgs boson production cross-section measurements and their EFT interpretation in the $\ell\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
77	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
78	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 124, 082301.	2.9	17
79	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
80	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
81	Measurement of the production cross-section of $Z\gamma$ 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, 290001.	1.5	11
82	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
83	Measurement of the $Z\gamma$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
84	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. European Physical Journal C, 2020, 80, 1.	1.4	5
85	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 13$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	12
86	Measurement of $J/\psi$ production in association with a $W\Delta$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
87	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	68
88	Search for $\overline{t}t$ 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
89	Reconstruction and identification of boosted di- $\tau$ 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
90	Evidence for electroweak production of two jets in association with a $Z\gamma$ 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, 801, 290001.	1.5	9

#	ARTICLE	IF	CITATIONS
91	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 090501.	1.4	133
92	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
93	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	124
94	Search for top squarks in events with a Higgs or Z boson using $139\text{fb}^{-1}$ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
95	Evidence for $t\bar{t}$ 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
96	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
97	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	21
98	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
99	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
100	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
101	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	49
102	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	2.9	23
103	Search for heavy charged long-lived particles in the ATLAS detector in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 1.	1.5	196
104	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 1.	1.6	21
105	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	1.4	28
106	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	22
107	Search for heavy charged long-lived particles in the ATLAS detector in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 1.	1.5	196
108	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	21

#	ARTICLE	IF	CITATIONS
109	Observation of Light-by-Light Scattering in Ultraperipheral $pp$ collisions with the ATLAS detector. Physical Review Letters, 2019, 123, 052001.	2.9	75
110	Measurement of prompt photon production in $pp$ collisions with the ATLAS detector. Physical Review Letters, 2019, 123, 052001.	1.5	10
111	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
112	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	41
113	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.	2.9	133
114	Measurement of the $t\bar{t}$ and $Z$ cross sections in $pp$ collisions with the ATLAS detector. Physical Review Letters, 2019, 122, 231801.	1.6	28
115	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	30
116	Search for scalar resonances decaying into $t\bar{t}$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
117	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H\ell\ell$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2019, 123, 052001.	1.5	22
118	Measurement of the production cross section for a Higgs boson in association with a vector boson in the $H\ell\ell$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2019, 123, 052001.	1.5	13
119	Search for excited leptons in $pp$ collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, 012001.	1.5	39
120	Search for diboson resonances in hadronic final states in $139$ fb $^{-1}$ of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
121	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, 1.	1.4	4
122	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	21
123	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
124	Properties of jet fragmentation using charged particles measured with the ATLAS detector in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, 012001.	1.6	9
125	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	2.9	53
126	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13



#	ARTICLE	IF	CITATIONS
127	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	77
128	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	3
129	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
130	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
131	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $s = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	1.5	9
132	Search for long-lived particles in final states with displaced dimuon vertices in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072002.	1.6	20
133	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.	1.5	25
134	Observation of electroweak W+Z boson pair production in association with two jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 469-492.	1.5	38
135	Modelling radiation damage to pixel sensors in the ATLAS detector. Journal of Instrumentation, 2019, 14, P06012-P06012.	0.5	7
136	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
137	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
138	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
139	Search for top-quark decays $t \rightarrow Hq$ with 36 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	19
140	Measurement of VH, $\mathcal{H} \rightarrow \mathcal{B} \overline{\mathcal{B}}$ 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
141	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
142	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
143	Search for Higgs boson pair production in the $\mathcal{B} \overline{\mathcal{B}} W W^{*}$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	26
144	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072002.	1.6	11

#	ARTICLE	IF	CITATIONS
145	Measurement of the cross-sections of the Higgs boson decaying into a pair of $b$ -leptons in proton-proton collisions at small opening angles in $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .	1.6	6
146	Search for long-lived particles produced in pp collisions at $\sqrt{s}=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. Physical Review D, 2019, 99, .	1.6	63
147	Measurements of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
148	Study of the rare decays of $B^0$ and $B^0$ mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, .	1.6	62
149	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
150	Measurements of inclusive and differential fiducial cross-sections of $\gamma$ production in leptonic final states at $\sqrt{s}=13$ TeV in ATLAS. European Physical Journal C, 2019, 79, 1.	1.4	14
151	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.	1.6	35
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.	1.6	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	Search for four-top-quark production in the single-lepton and opposite-sign dilepton final states in $\sqrt{s}=13$ TeV collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 595-614.	1.6	13
155	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	10
156	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
157	Search for heavy Majorana or Dirac neutrinos and right-handed $W$ gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	39
158	In situ calibration of large-radius jet energy and mass in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	28
159	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
160	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
161	Measurement of the top quark mass in the $t \rightarrow b \gamma$ decay. European Physical Journal C, 2019, 79, 1.	1.4	47
162	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 108-128.	1.5	74

#	ARTICLE	IF	CITATIONS
163	Search for pair production of Higgs bosons in the $\gamma\gamma$ 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
164	Measurements of gluon-gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow W\gamma Z \rightarrow \ell\ell\gamma\gamma$ 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
165	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	25
166	Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .	1.6	10
167	Search for squarks and gluinos in final states with hadronically decaying leptons, jets, and missing transverse momentum using $\sqrt{s}=13$ TeV collisions at the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 508-529.	1.6	13
168	Measurement of the top-quark mass in $t\bar{t} + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
169	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
170	Measurement of ZZ production in the $\gamma\gamma, \gamma\ell, \ell\ell$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
171	Measurement of $W^{\pm}Z$ -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
172	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
173	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
174	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	50
175	Measurement of $W^{\pm}Z$ boson production in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
176	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
177	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	36
178	Resolution of the ATLAS muon spectrometer monitored drift tubes in LHC Run 2. Journal of Instrumentation, 2019, 14, P09011-P09011.	0.5	7
179	Measurement of angular and momentum distributions of charged particles within and around jets in $Pb+Pb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.1	11
180	Dijet azimuthal correlations and conditional yields in $Pb+Pb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.1	14

#	ARTICLE	IF	CITATIONS
181	Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2019, 100, 113001.	1.6	15
182	Search for a heavy charged boson in events with a charged lepton and missing transverse momentum from $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2019, 100, 113002.	1.6	43
183	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. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	34
184	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	14
185	Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 316-335.	1.5	31
186	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}4\ell$ final state in $pp$ collision at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 96-116.	1.5	20
187	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}4\ell$ final state in $pp$ collision at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 96-116.	1.5	20
188	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and $pp$ collisions with ATLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 789, 167-190.	1.5	28
189	Measurement of the inclusive isolated-photon cross section in $pp$ collisions at $\sqrt{s}=13$ TeV using 36 $fb^{-1}$ of ATLAS data. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	5
190	Recommendations of the LHC Dark Matter Working Group: Comparing LHC searches for dark matter mediators in visible and invisible decay channels and calculations of the thermal relic density. <i>Physics of the Dark Universe</i> , 2019, 26, 100377.	1.8	36
191	Measurement of $S^0$ and $\Lambda^0$ production in $pp$ dileptonic events in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	4
192	Measurement of long-range multiparticle azimuthal correlations with the subevent cumulant method in $pp$ collisions with the ATLAS detector at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2018, 97, 054907.	1.1	46
193	Measurement of the cross-section for producing a $W$ boson in association with a single top quark in $pp$ collisions at $\sqrt{s}=13$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	2.9	50
194	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. <i>Physical Review D</i> , 2018, 97, 012001.	1.6	51
195	A search for resonances decaying into a Higgs boson and a new particle $X$ in the $XH\tau^+q\bar{b}b$ final state with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 24-45.	1.5	8
196	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 $fb^{-1}$ of $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	116
197	Measurement of the cross-section for producing a $W$ boson in association with a single top quark in $pp$ collisions at $\sqrt{s}=13$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
198	Measurement of the $W$ -boson mass in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 110.	1.4	218



#	ARTICLE	IF	CITATIONS
217	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, 776, 318-337.	1.6	18
218	Search for an invisibly decaying Higgs boson or dark matter candidates produced 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, 2018, 776, 318-337.	1.5	54
219	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
220	Measurement of the $Z\gamma \rightarrow u\bar{u}\gamma$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
221	Prompt and non-prompt $J/\psi$ 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
222	Search for Higgs boson pair production in the $\gamma\gamma WW^* \rightarrow W\bar{W}$ 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
223	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
224	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. Physical Review C, 2018, 98, 054907.	1.1	12
225	Search for resonant $WZ$ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 68-88.	1.6	18
226	Angular analysis of $B_0 \rightarrow \bar{d}e^+K^-\pi^+\pi^0$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
227	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
228	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2018, 121, 212301.	2.9	41
229	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in $36 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 401.	1.4	50
230	Search for lepton-flavor-violating decays of the Z boson into a lepton and a light lepton in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review Letters, 2018, 121, 191801.	1.6	7
231	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	2.9	70
232	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
233	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
234	Search for Higgs boson pair production in the $\gamma\gamma b\bar{b}$ final state with $\sqrt{s}=13$ TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38

#	ARTICLE	IF	CITATIONS
235	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
236	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
237	Search for pair and single production of vectorlike quarks in final states with at least one boson decaying into a pair of electrons or muons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	32
238	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
239	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	8
240	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	29
241	Search for pair production of heavy vectorlike quarks decaying into hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	14
242	Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	41
243	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
244	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
245	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	20
246	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	56
247	Measurements of Higgs boson properties in the diphoton decay channel with $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	115
248	Operation and performance of the ATLAS Tile Calorimeter in Run-1. European Physical Journal C, 2018, 78, 987.	1.4	25
249	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
250	Search for heavy resonances decaying to a photon and a hadronically decaying boson in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	13
251	Search for pair production of heavy vectorlike quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	18
252	Search for pair production of heavy vectorlike quarks decaying into high-pT W bosons and top 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, 2018, 2018, 1.	1.6	22

#	ARTICLE	IF	CITATIONS
253	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using $36 \text{ fb}^{-1}$ of $\sqrt{s}=13 \text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
254	Combined measurement of differential and total cross sections in the $H \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ and the $H \rightarrow \tau^+ \tau^- Z \tau^+ \tau^-$ decay channels at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.6	42
255	Searches for exclusive Higgs and Z boson decays into $J/\psi \tau^+ \tau^-$ , $\Upsilon(2S) \tau^+ \tau^-$ , and $\Upsilon(1S) \tau^+ \tau^-$ at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.6	20
256	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	67
257	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
258	Combined search for heavy resonances decaying into a Higgs boson and a photon using 36.1 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2018, 98, 034005.	1.5	138
259	Search for heavy resonances decaying into a Higgs boson and a photon using 36.1 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2018, 98, 034005.	1.5	138
260	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow \tau^+ \tau^- 4\mu$ , $ZZ \rightarrow \tau^+ \tau^- 2\mu$ , and $ZZ \rightarrow \tau^+ \tau^- 2\mu$ final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 223-244.	1.5	43
261	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \tilde{\nu}_{\tau}$ , $H^{\pm} \rightarrow \tau^{\pm} \tilde{\nu}_{\tau}$ , in the $\tilde{\nu}_{\tau} \rightarrow \tau + \text{jets}$ and $\tilde{\nu}_{\tau} \rightarrow \tau + \text{lepton}$ final states with $36 \text{ fb}^{-1}$ of pp collision data recorded at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59
262	Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $5.02 \text{ TeV}$ Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
263	Measurement of the Higgs boson mass in the $H \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ and $H \rightarrow \tau^+ \tau^- Z \tau^+ \tau^-$ channels with $36 \text{ fb}^{-1}$ of pp collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	2.9	16
264	Search for photonic signatures of gauge-mediated supersymmetry in $13 \text{ TeV}$ pp collisions with the ATLAS detector. Physical Review D, 2018, 97, .	1.6	20
265	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
266	Search for flavor-changing neutral currents in top quark decays $t \rightarrow H c$ and $t \rightarrow H u$ in multilepton final states in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2018, 98, .	1.6	17
267	Measurement of the Higgs boson mass in the $H \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ and $H \rightarrow \tau^+ \tau^- Z \tau^+ \tau^-$ channels with $36 \text{ fb}^{-1}$ of pp collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 134-155.	1.6	63
268	Search for exclusive Higgs and Z boson decays to $\tilde{\nu} \tau^+ \tau^-$ and $\tilde{\nu} \tau^+ \tau^-$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
269	Measurements of b-jet tagging efficiency with the ATLAS detector using $t \rightarrow b \tau$ events at $\sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
270	Search for flavour-changing neutral current top-quark decays $t \rightarrow q Z$ 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





#	ARTICLE	IF	CITATIONS
289	Search for Higgs boson decays into pairs of light (pseudo)scalar particles in the $l^+l^-j$ 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, 782, 750-767.	1.6	17
290	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
291	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
292	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
293	Measurement of $\sigma_{\text{pol}}$ , polarisation in $Z/\gamma \rightarrow \text{au au}$ . European Physical Journal C, 2018, 78, 163.	1.4	7
294	Searches for heavy ZZ and ZW resonances in the $\gamma\gamma$ , $\gamma q$ and $q\bar{q}$ 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
295	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	33
296	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\gamma\gamma$ 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	41
297	Measurement of jet fragmentation in 5.02 TeV proton-lead and proton-proton collisions with the ATLAS detector. Nuclear Physics A, 2018, 978, 65-106.	0.6	21
298	Search for $W\tau$ decays in the hadronic final state using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 327-348.	1.5	20
299	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, 1-10.	1.5	169
300	Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	22
301	Measurement of differential cross sections and $W^+W^-$ 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
302	Combination of inclusive and differential $\overline{\text{mathrm}}\{t\}$ 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
303	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. , 2018, 2018, 1.		1
304	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ , ext {TeV}). , 2018, 78, 1.		1
305	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, 782, 750-767.	1.6	20
306	Search for new resonances decaying to a W or Z boson and a Higgs boson in the $\gamma\gamma$ 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, 32-52.	1.5	21

#	ARTICLE	IF	CITATIONS
307	Measurement of $W$ boson angular distributions in events with high transverse momentum jets at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 133-153.	1.4	41
308	Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb <sup>-1</sup> of $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	29
309	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
310	Measurement of the inclusive cross-sections of single top-quark and top-antiquark $t$ -channel production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
311	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, 11-30.	1.4	11
312	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	37
313	Measurement of the $W$ boson polarisation in $t\bar{t}$ 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	87
314	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	27
315	Measurements of top-quark pair differential cross-sections in the $e\bar{e}$ channel in $pp$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	61
316	Performance of algorithms that reconstruct missing transverse momentum in $pp$ collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	22
317	High-ET isolated-photon plus jets production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Nuclear Physics B, 2017, 918, 257-316.	0.9	81
318	Measurement of the prompt $J/\psi$ pair production cross-section in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	25
319	Search for triboson $W^+W^+W^-$ production in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
320	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, 770, 95-134.	1.4	13
321	Search for new physics in high-mass diphoton final states using 37 fb <sup>-1</sup> of proton-proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 105-125.	1.4	325
322	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	56
323	Fiducial, total and differential cross-section measurements of $t$ -channel single top-quark production in $pp$ collisions at $\sqrt{s} = 8$ TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	26
324	Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.4	

#	ARTICLE	IF	CITATIONS
325	Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, .	1.1	47
326	Search for anomalous electroweak production of $WZ$ in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, .	1.6	28
327	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017, 77, 466.	1.4	145
328	Measurements of integrated and differential cross sections for isolated photon pair production in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, .	1.6	15
329	Measurement of $WZ$ production in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, .	1.6	23
330	Measurement of the $t\bar{t}$ production cross section in the $t\bar{t}+jets$ final state in $pp$ collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physical Review D</i> , 2017, 95, .	1.6	1
331	Measurement of the cross section for inclusive isolated-photon production in $pp$ collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 770, 473-483.	1.6	20
332	Measurement of multi-particle azimuthal correlations in $pp$ , $p\bar{A}+A$ and low-multiplicity $PbA+APb$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 428.	1.4	86
333	Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead, and proton-proton collisions with the ATLAS detector. <i>Physical Review C</i> , 2017, 95, .	1.1	24
334	Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC. <i>Nature Physics</i> , 2017, 13, 852-858.	6.5	218
335	Search for the Dimuon Decay of the Higgs Boson in $pp$ Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017, 119, 051802.	2.9	36
336	Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using $b\bar{b}$ Production in $pp$ Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2017, 119, 181804.	2.9	49
337	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. <i>Physical Review Letters</i> , 2017, 119, 191803.	2.9	74
338	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
339	Measurement of the cross-section for electroweak production of dijets in association with a $Z$ boson 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> , 2017, 775, 206-228.	1.6	15
340	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . <i>European Physical Journal C</i> , 2017, 77, 804.	1.4	28
341	Measurement of the $\overline{\gamma\gamma}$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	9
342	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
343	Measurement of jet pT correlations in Pb+Pb and pp collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 379-402.	1.5	24
344	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
346	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
347	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8$ TeV using the ZZ $\hat{\sigma}$ , $\hat{\sigma}^{\sim}$ , $\hat{\sigma}^{\sim}$ , $\hat{\sigma}^{\sim}$ , $\hat{\sigma}^{\sim}$ and ZZ $\hat{\sigma}$ , $\hat{\sigma}^{\sim}$ , $\hat{\sigma}^{\sim}$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.		
348	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
349	Measurements of $\tilde{\chi}(2S)$ and $\tilde{\chi}(3872)$ production in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33
350	Measurements of top-quark pair to Z-boson cross-section ratios at $s = 13, 8, 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
351	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
352	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
353	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
354	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 361.	1.4	47
355	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^+W^+$ , $W^-W^-$ . European Physical Journal C, 2017, 77, 367.	1.4	145
356	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 379.	1.4	51
357	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
358	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
359	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
360	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

#	ARTICLE	IF	CITATIONS
361	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
362	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
363	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
364	Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, ..	1.6	157
365	Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, ..	1.6	15
366	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
367	Femtoscopia with identified charged pions in proton-lead collisions at $\sqrt{s} = 5.02$ TeV with ATLAS. Physical Review C, 2017, 96, ..		
368	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
369	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	1.4	35
370	Measurement of $WW/WZ \rightarrow \ell \ell \nu \nu$ 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
371	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
372	Searches for the $Z\tilde{\chi}^0_3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	30
373	Studies of $Z\tilde{\chi}^0_3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
374	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
375	Search for new phenomena in dijet events using $\sqrt{s} = 13$ TeV collision data collected at the ATLAS detector. Physical Review D, 2017, 96, ..	1.6	114
376	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow Z\tilde{\chi}^0_3$ , in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	18
377	Study of $WW\gamma$ and $WZ\gamma$ production. European Physical Journal C, 2017, 77, 646.	1.4	30
378	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

#	ARTICLE	IF	CITATIONS
379	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
380	Top-quark mass measurement in the all-hadronic $t\bar{t} \rightarrow \text{hadrons}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	16
381	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
382	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
383	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
384	Study of ordered hadron chains with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	2
385	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
386	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
387	Measurement of the $k_t$ splitting scales in $Z \rightarrow \mu\mu$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
388	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
389	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
390	Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
391	Determination of the strong coupling constant $\alpha_s$ from transverse energy–energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.	1.4	32
392	Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .	1.6	23
393	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
394	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
395	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
396	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

#	ARTICLE	IF	CITATIONS
397	Measurement of event-shape observables in $Z \rightarrow \ell \ell \gamma$ events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	1.4	15
398	Charged-particle distributions in pp interactions at $\sqrt{s} = 8 \text{ TeV}$ measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	1.4	30
399	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
400	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	1.4	37
401	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z'$ boson in the $\text{Au Au}$ , final state produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	1.4	51
402	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
403	Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	1.4	12
404	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
405	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	1.4	23
406	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
407	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2016, 76, 292.	1.4	453
408	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
409	Measurement of total and differential $W + W^*$ production cross sections in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. Journal of High Energy Physics, 2016, 2016, .	1.6	47
410	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	1.4	31
411	Measurement of $W+W^*$ production in association with one jet in 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, 763, 114-133.	1.5	4
412	Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 114-133.	1.4	20
413	Measurement of the 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, 114-133.	1.4	39
414	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $p+p$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 94, .	1.6	137



#	ARTICLE	IF	CITATIONS
415	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
416	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
417	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
418	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
419	Measurement of the inclusive cross sections for the production of $D^0$ 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, 754, 214-234.	0.9	52
420	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
421	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
422	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
423	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43
424	Search for heavy long-lived charged R-hadrons with the ATLAS detector in $3.2 \text{ fb}^{-1}$ 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
425	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
426	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
427	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
428	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	19
429	Study of the rare decays of $B^0$ 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
430	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 517.	1.4	24
431	Search for resonances in diphoton events at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
432	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
433	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.	1.5	20
434	Measurement of the $W\Delta Z$ 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.	1.3	24
435	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D, 2016, 94, .	1.6	43
436	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
437	Measurement of the top quark mass in the $t\bar{t}$ channel 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
438	Search for charged Higgs bosons produced in association with a top quark and decaying via $H\Delta \rightarrow \tau^+\tau^-$ using pp collision data recorded 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
439	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
440	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
441	Search for Higgs and $Z$ boson decays to $\tau^+\tau^-$ in association with a top quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	2.9	13
442	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Physical Review D, 2016, 93, .	1.6	34
443	Measurement of jet charge in dijet events from pp collisions with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	1.6	53
444	Measurement of jet charge in dijet events from pp collisions with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	1.6	29
445	Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Physical Review D, 2016, 93, .	1.6	11
446	Search for magnetic monopoles and stable particles with high electric charges in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	43
447	Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2016, 93, .	1.6	16
448	Measurements of $WZ$ and $W\Delta Z$ boson pair-production cross sections 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.	1.6	53
449	Measurements of $WZ$ and $W\Delta Z$ boson pair-production cross sections 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.	1.6	5
450	Measurements of $WZ$ and $W\Delta Z$ boson pair-production cross sections 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.	1.6	39

#	ARTICLE	IF	CITATIONS
451	Measurement of the production cross-section of heavy charged particles with large ionization energy loss in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	39
452	Measurement of the production cross-section of heavy charged particles with large ionization energy loss in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	2.9	31
453	Measurement of the production cross-section of heavy charged particles with large ionization energy loss in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	2.9	228
454	Measurement of the production cross-section of heavy charged particles with large ionization energy loss in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.5	57
455	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. <i>European Physical Journal C</i> , 2016, 76, 295.	1.4	50
456	Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 581.	1.4	298
457	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s} = 8$ TeV with the ATLAS Detector at the LHC. <i>Physical Review Letters</i> , 2016, 117, 182002.	2.9	185
458	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 $s = 7$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	473
459	Measurement of the charged-particle multiplicity inside jets from $pp$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 322.	1.4	51
460	Measurement of jet activity in top quark events using the $e^+e^-$ final state with two b-tagged jets in $pp$ collisions at $s = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	4
461	Measurement of the transverse momentum and $\phi_{\tau}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 291.	1.4	154
462	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW$ with the ATLAS detector at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	15
463	Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2016, 94, 112002.	1.6	4
464	Search for new phenomena in events with a photon and missing transverse momentum in $pp$ collisions at $s = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	20
465	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $s = 8$ TeV proton-proton collisions. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	14
466	Identification of high transverse momentum top quarks in $pp$ collisions at $s = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	17
467	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. <i>New Journal of Physics</i> , 2016, 18, 073021.	1.2	2
468	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016, 11, P05013-P05013.	0.5	11

#	ARTICLE	IF	CITATIONS
469	Measurement of top quark pair differential cross sections in the dilepton channel in pp collisions at $\sqrt{s}=7$ and $8\text{ TeV}$ with ATLAS. Physical Review D, 2016, 94, .	1.6	22
470	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=8, \sqrt{s}=7$ and $8\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538. production of gluinos decaying via stop and sbottom in events with	1.4	115
471	Search for pair production of Higgs bosons in the jets and large missing transverse momentum in pp collisions at $\sqrt{s}=8, \sqrt{s}=7$ and $8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.6	30
472	Search for pair production of Higgs bosons in the collisions at $\sqrt{s}=8, \sqrt{s}=7$ and $8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.6	38
473	Measurement of exclusive $W^+W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s}=8, \sqrt{s}=7$ and $8\text{ TeV}$ using the ATLAS detector. Physical Review D, 2016, 94, .	1.6	33
474	Measurement of the differential cross-sections of prompt and non-prompt production of $\psi(2S)$ and $\psi(1S)$ in pp collisions at $\sqrt{s}=7$ and $8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
475	Luminosity determination in pp collisions at $\sqrt{s}=8\text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
476	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	1.4	11
477	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	33
478	Searches for heavy diboson resonances in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
479	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
480	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	21
481	Measurement of the CP-violating phase $\arg(\lambda)$ and the $B_s^0$ meson decay width difference with $B_s^0$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
482	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
483	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	38
484	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
485	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
486	Measurement of the production cross-section of a single top quark in association with a W boson at $8\text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14

#	ARTICLE	IF	CITATIONS
487	Search for the production of single vector-like and excited quarks in the $Wt$ final state 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	19
488	Search for strong gravity in multijet final states produced in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
489	Measurements of four-lepton production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy		
490	Measurement of the charge 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, 52-71.		
491	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using proton-proton collisions at $\sqrt{s} = 2.76 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 334-351.	1.5	10
492	Search for single production of a vector-like quark via a heavy gluon in the $4b$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 334-351.	1.5	21
493	Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.	1.5	16
494	Evidence for single top quark production in the s-channel in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector using the Matrix Element Method. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.		
495	Charged-particle distributions in pp interactions measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 285-305.		
496	Search for new phenomena in events with at least three photons collected 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, 755, 285-305.		
497	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 154.	1.4	62
499	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	1.4	95
500	Probing lepton flavour violation via neutrinoless $\tau \rightarrow 3\mu$ , $\tau \rightarrow 3e$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	1.4	19
501	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
502	Search for supersymmetry at $\sqrt{s} = 13 \text{ TeV}$ 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
503	Search for invisible decays of a Higgs boson using vector-boson fusion 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	49
504	Search for anomalous couplings in the $Wtb$ 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

#	ARTICLE	IF	CITATIONS
505	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	1.4	109
506	Measurements of fiducial cross-sections for $t \bar{t} \hat{A}^-$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	1.4	54
507	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c + \hat{A}^+ J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ \hat{A}^-$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40
508	Search for an additional, heavy Higgs boson in the $H \hat{A}^+ Z Z$ decay channel at $\sqrt{s} = 8 \text{ TeV}$ in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	1.4	197
509	Search for single top-quark production via flavour-changing neutral currents at $8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	1.4	43
510	Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	7
511	Search for Type-III seesaw heavy leptons in $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ boson production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	44
512	Search for Type-III seesaw heavy leptons in $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	24
513	Search for photonic signatures of gauge-mediated supersymmetry in $8 \text{ TeV}$ pp collisions with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	19
514	Searches for Higgs boson pair production in the $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ decays into $b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	101
515	Search for Higgs boson pair production in the $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ decays into $b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2015, 92, .	1.6	48
516	Determination of the Ratio of Quark Fragmentation Fractions $R_{b/c}$ in $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Physical Review Letters, 2015, 115, 262001.	2.9	23
517	Modelling $Z \hat{A}^+ \bar{b} + \hat{A}^- b$ processes in ATLAS with $\sqrt{s} = 8 \text{ TeV}$ data. Journal of Instrumentation, 2015, 10, P09018-P09018.	0.5	17
518	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	1.6	55
519	Search for lepton-flavour-violating $H \hat{A}^+ \bar{b} + \hat{A}^- b$ decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	52
520	Measurement of four-jet differential cross sections in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	1.6	11
521	Measurement of colour flow with the jet pull angle in $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ using the ATLAS detector and determination of the strong coupling constant $\alpha_s$ . Nuclear, Elementary Particle Physics, 2015, 2015, 10.	1.5	23
522	Measurement of colour flow with the jet pull angle in $pp \rightarrow Z \rightarrow b \bar{b} + \hat{A}^+ \bar{b} + \hat{A}^- b$ events using the ATLAS detector. Nuclear, Elementary Particle Physics, 2015, 2015, 10.	1.5	18

#	ARTICLE	IF	CITATIONS
523	Measurement of exclusive $\gamma\gamma$ production in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 242-261.	1.5	43
524	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	108
525	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
526	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
527	Measurement of the $t\bar{t}\gamma$ 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
528	Search for flavour-changing neutral current top quark decays $t\rightarrow q\gamma$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	1.6	19
529	Measurement of the branching ratio $\mathcal{B}(B\rightarrow K^*\mu^+\mu^-)$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 242-261.		