

# Antonio Ereditato

## List of Publications by Year in descending order

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Version: 2024-02-01

613  
papers

31,910  
citations

4658

85  
h-index

9588

142  
g-index

645  
all docs

645  
docs citations

645  
times ranked

11651  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the ATLAS Level-1 topological trigger in Run2. European Physical Journal C, 2022, 82, 1.	3.9	6
2	Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	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.	4.7	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.	3.9	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.	4.7	10
6	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
7	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu(\pi^{\pm} \nu_{\mu})$ events in Run2 data. European Physical Journal C, 2022, 82, 1.	3.9	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.	3.9	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, .	3.9	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, .	3.9	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.	3.9	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.	4.7	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.	4.7	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.	3.9	12
15	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	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.	4.7	18
17	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	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.	4.7	19

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19	Measurements of $\langle\sigma\rangle_{\sqrt{s}}^{\ell^+\ell^-}$ and $\langle\sigma\rangle_{\sqrt{s}}^{\ell^+\ell^-} + \langle\sigma\rangle_{\sqrt{s}}^{\ell^+\ell^-}$ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	6
20	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.	4.7	6
21	Study of scintillation light collection, production and propagation in a 4 tonne dual-phase LArTPC. Journal of Instrumentation, 2021, 16, P03007.	1.2	6
22	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.	4.7	14
23	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.	4.7	22
24	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.	3.9	18
25	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	3.9	15
26	Search for heavy resonances decaying into a pair of Z bosons in the $\ell^+\ell^- \ell^+\ell^-$ and $\ell^+\ell^- \ell^+\ell^-$ final states using 139 fb $^{-1}$ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	40
27	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.	4.7	18
28	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell^+\ell^- \ell^+\ell^-$ and $\ell^+\ell^- \ell^+\ell^-$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	26
29	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.	4.7	23
30	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.	4.7	8
31	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.	4.7	46
32	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.	3.9	14
33	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
34	Search for supersymmetry in events with four or more charged leptons in 139 fb $^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
35	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.	4.7	10
36	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.	4.7	8

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37	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.	4.7	5
38	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.	3.9	82
39	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.	3.9	13
40	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	3
41	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.	3.9	64
42	OPERA tau neutrino charged current interactions. Scientific Data, 2021, 8, 218.	5.3	3
43	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.	3.9	12
44	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.	3.9	9
45	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.	4.7	14
46	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.	3.9	5
47	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.	4.7	12
48	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.	3.9	7
49	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.	4.7	10
50	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.	4.7	10
51	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.	4.7	4
52	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.	4.7	4
53	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.	3.9	28
54	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7

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55	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.	4.7	3
56	The QUPLAS experimental apparatus for antimatter interferometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 951, 163019.	1.6	5
57	Measurements of inclusive and differential cross-sections of combined $\gamma$ and $t\bar{t}$ production in the $e\bar{\nu}_\mu$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
58	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
59	Sensitivity of emulsion detectors to low energy positrons. Journal of Instrumentation, 2020, 15, P03027-P03027.	1.2	4
60	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
61	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	32
62	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.	4.7	28
63	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.	3.9	34
64	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.	4.7	8
65	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.	4.7	3
66	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.	4.7	11
67	Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
68	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.	4.7	12
69	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.	3.9	28
70	Long-baseline neutrino oscillation physics potential of the DUNE experiment. European Physical Journal C, 2020, 80, 1.	3.9	93
71	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.	4.7	4
72	Measurements of top-quark pair spin correlations in the $t\bar{t}$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	22

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73	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.	4.7	12
74	Nuclear physics experiments with a medical cyclotron. International Journal of Modern Physics Conference Series, 2020, 50, 2060005.	0.7	0
75	First observation of a tau neutrino charged current interaction with charm production in the OPERA experiment. European Physical Journal C, 2020, 80, 1.	3.9	3
76	Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
77	Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	41
78	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.	4.7	36
79	First Demonstration of a Pixelated Charge Readout for Single-Phase Liquid Argon Time Projection Chambers. Instruments, 2020, 4, 9.	1.8	6
80	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. Physical Review Letters, 2020, 124, 161802.	7.8	13
81	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.	4.7	19
82	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.	4.7	7
83	Measurement of the $Z(\ell^+\ell^- + \nu\bar{\nu})\ell^3$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	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.	3.9	5
85	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s_{NN}} = 8.16$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	12
86	Measurement of $J/\psi$ production in association with a $W\ell$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	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.	4.7	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.	4.7	14
89	Reconstruction and identification of boosted di- $\ell$ 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.	4.7	8
90	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	3.9	93



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91	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13\text{ TeV}$ pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	124
92	Search for top squarks in events with a Higgs or Z boson using $139\text{ fb}^{-1}$ of pp collision data at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	4
93	Evidence for $\tau^+\tau^-$ production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	30
94	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	29
95	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13\text{ TeV}$ and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	21
96	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	36
97	A New Concept for Kilotonne Scale Liquid Argon Time Projection Chambers. Instruments, 2020, 4, 6.	1.8	3
98	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
99	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	15
100	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13\text{ TeV}$ pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	49
101	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13\text{ TeV}$ that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	3.9	28
102	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	4.7	21
103	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
104	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	41
105	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	30
106	Search for scalar resonances decaying into $\frac{1}{4}+\frac{1}{4}\hat{a}^{\circ}$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
107	Search for diboson resonances in hadronic final states in $139\text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
108	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} \sim 13\text{ TeV}$ with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, .	3.9	4

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109	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, .	3.9	21
110	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.	3.9	24
111	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.	4.7	13
112	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.	3.9	77
113	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.	3.9	3
114	Rejecting cosmic background for exclusive charged current quasi elastic neutrino interaction studies with Liquid Argon TPCs; a case study with the MicroBooNE detector. European Physical Journal C, 2019, 79, 1.	3.9	7
115	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.	3.9	22
116	Bedrock sculpting under an active alpine glacier revealed from cosmic-ray muon radiography. Scientific Reports, 2019, 9, 6970.	3.3	21
117	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.	4.7	27
118	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.	4.7	19
119	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.	4.7	14
120	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.	3.9	17
121	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	3.9	42
122	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ TeV in ATLAS. European Physical Journal C, 2019, 79, 1.	3.9	14
123	First Operation of a Resistive Shell Liquid Argon Time Projection Chamber: A New Approach to Electric-Field Shaping. Instruments, 2019, 3, 28.	1.8	2
124	First demonstration of antimatter wave interferometry. Science Advances, 2019, 5, eaav7610.	10.3	38
125	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	1.2	37
126	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61



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127	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.	4.7	39
128	Design and construction of the MicroBooNE Cosmic Ray Tagger system. Journal of Instrumentation, 2019, 14, P04004-P04004.	1.2	20
129	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.	3.9	28
130	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.	3.9	46
131	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.	4.7	6
132	Measurement of the top quark mass in the $t\bar{t} \rightarrow t\bar{t} \gamma^* \rightarrow t\bar{t} \mu^+ \mu^-$ . European Physical Journal C, 2019, 79, 1.	3.9	47
133	Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55
134	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.	3.9	25
135	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.	4.7	27
136	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.	3.9	24
137	Measurement of ZZ production in the $\gamma\gamma, \gamma Z, Z\gamma$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
138	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.	3.9	8
139	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	9
140	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.	4.7	50
141	Measurement of $W^{\pm}Z$ boson production in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ – $8.16$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	17
142	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.	3.9	130
143	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}}=2.76$ – $5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	36
144	Final results on neutrino oscillation parameters from the OPERA experiment in the CNGS beam. Physical Review D, 2019, 100, .	4.7	9

#	ARTICLE	IF	CITATIONS
145	Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t}+jets$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	34
146	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
147	Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb $^{-1}$ of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
148	Latest results of the OPERA experiment on nu-tau appearance in the CNGS neutrino beam. , 2019, , .		1
149	Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	4
150	Study of charged hadron multiplicities in charged-current neutrino $\rightarrow$ lead interactions in the OPERA detector. European Physical Journal C, 2018, 78, 1.	3.9	9
151	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb $^{-1}$ of pp collisions at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
152	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
153	Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$ , $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
154	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s}$ s. European Physical Journal C, 2018, 78, 102.	3.9	13
155	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
156	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	3.9	59
157	Measurement of quarkonium production in proton $\rightarrow$ lead and proton $\rightarrow$ proton collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
158	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s}=13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
159	Search for heavy ZZ resonances in the $e^+e^-\ell^+\ell^-$ final states using proton $\rightarrow$ proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101
160	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
161	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 fb $^{-1}$ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
162	Search for heavy resonances decaying into WW in the $e^+e^-\ell^+\ell^-$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108

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163	Direct top-quark decay width measurement in the $\mathbf{\bar{t} t \rightarrow \ell^+ \ell^- \text{lepton+jets}}$ channel at $\sqrt{s}=8\text{--}13\text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
164	Search for $W W/W Z$ resonance production in $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
165	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	46
166	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 $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	28
167	Measurement of the $Z\gamma \rightarrow u\bar{u}\gamma$ production cross section in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
168	Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.	1.2	260
169	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
170	Search for Higgs boson pair production in the $\gamma\gamma WW^* \rightarrow \gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53
171	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 847.	3.9	16
172	Angular analysis of $B_0 \rightarrow \pi^+ \pi^- K_S^0$ decays in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	76
173	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 $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 401.	3.9	50
174	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
175	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
176	Search for Higgs boson pair production in the $\gamma\gamma\gamma\gamma$ final state with $13\text{ TeV}$ pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
177	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30
178	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}}=5.02\text{ TeV}$ Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
179	A 4 tonne demonstrator for large-scale dual-phase liquid argon time projection chambers. Journal of Instrumentation, 2018, 13, P11003-P11003.	1.2	26
180	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton collisions at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2018, 78, 903.	3.9	181

#	ARTICLE	IF	CITATIONS
181	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	3.9	125
182	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	56
183	Operation and performance of the ATLAS Tile Calorimeter in Run-1. European Physical Journal C, 2018, 78, 987.	3.9	25
184	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	37
185	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
186	Search for top-quark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of $\sqrt{s}=13\text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	48
187	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.	4.7	67
188	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.	4.7	15
189	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tilde{l}, \tilde{l}^{*}/\tilde{Z}\tilde{l}$ , in the $\tilde{l}, +\text{jets}$ and $\tilde{l}, +\text{lepton}$ final states with 36 fb <sup>-1</sup> of pp collision data recorded at $\sqrt{s}=13\text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1. Search for $\chi_{\text{min}}^0\chi_{\text{min}}^0$ $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$	4.7	59
190	$\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$ Violation in Neutrino and Antineutrino Oscillations by the T2K Experiment with $\langle \text{http://www.w3.org/1998/Math/MathML} \rangle$	7.8	165
191	Protons on Target. Physical Review Letters, 2018, 121, 171802. Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s}=5.02\text{ TeV}$ Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
192	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.	4.7	31
193	Search for exclusive Higgs and Z boson decays to $\tilde{l}\tilde{l}^*$ and $\tilde{l}\tilde{l}^*\gamma$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
194	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13\text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
195	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
196	Measurement of the inclusive and fiducial $t\bar{t}A$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
197	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton–proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	3.9	79
198	Advances in liquid argon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 907, 1-8.	1.6	8

#	ARTICLE	IF	CITATIONS
199	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 625.	3.9	27
200	Final Results of the OPERA Experiment on $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \langle \text{mml:mi} \rangle^{\frac{1}{2}} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle^{\frac{1}{2}} \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Appearance in the CNCS Neutrino Beam. Physical Review Letters, 2018, 120, 211801.	7.8	91
201	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	136
202	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.	4.7	17
203	A Nuclear Emulsion Detector for the Muon Radiography of a Glacier Structure. Instruments, 2018, 2, 7.	1.8	10
204	Final results of the search for $\hat{1}/2 \hat{1}/4 \hat{a}^+ \hat{1}/2e$ oscillations with the OPERA detector in the CNCS beam. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
205	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.	3.9	60
206	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.	3.9	132
207	Nuclear emulsions for the detection of micrometric-scale fringe patterns: an application to positron interferometry. Journal of Instrumentation, 2018, 13, P05013-P05013.	1.2	5
208	Measurement of $\sigma_{\text{au}} \hat{1}$ , polarisation in $Z/\gamma \rightarrow \text{au au } Z/\hat{1}^3$ . European Physical Journal C, 2018, 78, 163.	3.9	7
209	Searches for heavy ZZ and ZW resonances in the $\hat{a}, \hat{a}, \text{"qq and } \hat{1}/2 \hat{1}/2 \text{qq}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
210	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.	4.7	33
211	ArCLight: A Compact Dielectric Large-Area Photon Detector. Instruments, 2018, 2, 3.	1.8	13
212	Measurement of differential cross sections and $W^+/\hat{W}^+$ 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.	4.7	16
213	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
214	Measurement of the W-boson mass in pp collisions at $(\sqrt{s}=7, \text{hbox {TeV}})$ with the ATLAS detector. , 2018, 78, 1.		1
215	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}=13, \text{ext {TeV}})$ . , 2018, 78, 1.		1
216	Measurement of the $\sigma_{\text{tt} \hat{A}^- Z}$ and $\sigma_{\text{tt} \hat{A}^- W}$ production cross sections in multilepton final states using $3.2 \text{ fb}^{-1}$ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41



#	ARTICLE	IF	CITATIONS
217	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.	3.9	29
218	Design and construction of the MicroBooNE detector. Journal of Instrumentation, 2017, 12, P02017-P02017.	1.2	215
219	First measurement of ice-bedrock interface of alpine glaciers by cosmic muon radiography. Geophysical Research Letters, 2017, 44, 6244-6251.	4.0	40
220	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.	4.7	29
221	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.	3.9	11
222	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.	3.9	37
223	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
224	Measurements of top-quark pair differential cross-sections in the $e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	3.9	27
225	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	3.9	61
226	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.	3.9	81
227	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.	3.9	25
228	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
229	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
230	Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	3.9	26
231	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
232	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	3.9	86
233	Measurement of $^{43}\text{Sc}$ and $^{44}\text{Sc}$ production cross-section with an 18 MeV medical PET cyclotron. Applied Radiation and Isotopes, 2017, 129, 96-102.	1.5	61
234	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31



#	ARTICLE	IF	CITATIONS
235	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	3.9	28
236	Measurement of the $\gamma\gamma$ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
237	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
238	UniBEaM: A silica fiber monitor for charged particle beams. AIP Conference Proceedings, 2017, , .	0.4	3
239	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75
240	Combined Analysis of Neutrino and Antineutrino Oscillations at T2K. Physical Review Letters, 2017, 118, 151801.	7.8	146
241	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 $p p$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
242	Measurement of the ZZ production cross section in proton-proton collisions at $s = 8$ TeV using the ZZ $\rightarrow \ell^+\ell^-$ , $\ell^+\nu_\ell$ , $\ell^-\nu_\ell$ , $\ell^+\ell^-\ell^+\ell^-$ and $Z Z \rightarrow \ell^+\ell^-\ell^+\ell^-$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
243	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.	4.7	17
244	Measurements of $J/\psi(2S)$ and $X(3872) \rightarrow J/\psi + \eta'$ production in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
245	Measurements of top-quark pair to Z-boson cross-section ratios at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
246	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	79
247	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
248	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton–proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	3.9	71
249	Measurements of the production cross section of a $ZZ$ boson in association with jets in pp collisions at $\sqrt{s} = 13$ s. European Physical Journal C, 2017, 77, 361.	3.9	47
250	Precision measurement and interpretation of inclusive $W^+W^-$ , $W^\pm W^\mp$ . European Physical Journal C, 2017, 77, 367.	3.9	145
251	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ s NN = 2.76. European Physical Journal C, 2017, 77, 379.	3.9	51
252	Search for dark matter at $\sqrt{s}=13\text{-}\mathrm{TeV}$ $s = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80

#	ARTICLE	IF	CITATIONS
253	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
254	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.	3.9	50
255	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
256	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 the LHC using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
257	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.	4.7	8
258	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.	4.7	17
259	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.	4.7	23
260	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.	4.7	38
261	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
262	Measurement of $WW/WZ \rightarrow \ell \ell \nu \bar{\nu} q \bar{q}'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	3.9	28
263	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.	4.7	12
264	Searches for the $Z\tilde{\chi}^0_1$ 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.	4.7	30
265	Studies of $Z\tilde{\chi}^0_1$ 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.	4.7	14
266	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.	4.7	16
267	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tilde{\chi}^0_1 \tilde{\chi}^0_1$ , in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
268	Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 646.	3.9	30
269	Measurements of top quark spin observables in $t\bar{t} \rightarrow \ell^+ \ell^-$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
270	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.	4.7	11

#	ARTICLE	IF	CITATIONS
271	Measurement of antiproton annihilation on Cu, Ag and Au with emulsion films. Journal of Instrumentation, 2017, 12, P04021-P04021.	1.2	4
272	Top-quark mass measurement in the all-hadronic $t\bar{t} \rightarrow t\bar{t} \rightarrow b\bar{b} + \text{hadrons}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
273	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.	4.7	28
274	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.	4.7	45
275	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.	4.7	31
276	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.	4.7	36
277	Measurement of the $k_t$ splitting scales in $Z \rightarrow \ell^+ \ell^-$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
278	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.	4.7	8
279	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
280	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.	4.7	168
281	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.	3.9	32
282	Welcome to Instruments – A New Leading Journal for Advanced Research in Instrumentation. Instruments, 2017, 1, 1.	1.8	0
283	Measurement of cosmic-ray reconstruction efficiencies in the MicroBooNE LArTPC using a small external cosmic-ray counter. Journal of Instrumentation, 2017, 12, P12030-P12030.	1.2	11
284	A Novel Cosmic Ray Tagger System for Liquid Argon TPC Neutrino Detectors. Instruments, 2017, 1, 2.	1.8	10
285	On the electric breakdown in liquid argon at centimeter scale. Journal of Instrumentation, 2016, 11, P03017-P03017.	1.2	14
286	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.	4.7	30
287	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.	4.7	10
288	Multi-channel front-end board for SiPM readout. Journal of Instrumentation, 2016, 11, P10005-P10005.	1.2	7

#	ARTICLE	IF	CITATIONS
289	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.	3.9	15
290	Charged-particle distributions in pp interactions at $\sqrt{s} = 8 \text{ TeV}$ measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	3.9	30
291	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.	3.9	61
292	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.	3.9	37
293	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z^{\prime}$ boson in the $\text{Au Au}$ , $\text{Pb Pb}$ , final state produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	3.9	51
294	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73
295	Measurement of the $\overline{b}b$ dijet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	3.9	12
296	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	3.9	21
297	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.	3.9	23
298	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.	3.9	24
299	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.	3.9	453
300	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.	3.9	48
301	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.	3.9	31
302	Detection of low energy antimatter with emulsions. Journal of Instrumentation, 2016, 11, P06017-P06017.	1.2	9
303	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	44
304	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
305	Search for flavour-changing neutral current top-quark decays to $q\bar{q}Z$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 12.	3.9	39
306	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.	3.9	39

#	ARTICLE	IF	CITATIONS
307	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	3.9	10
308	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
309	Study of the rare decays of $B^0 \rightarrow B^0 \mu^+ \mu^-$ and $B^0 \rightarrow B^0 \mu^+ \mu^-$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	3.9	46
310	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2016, 76, 517.	3.9	24
311	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
312	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.	3.9	43
313	Measurement of the relative width difference of the $B^0 \rightarrow B^0 \mu^+ \mu^-$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
314	Measurement of Muon Antineutrino Oscillations with an Accelerator-Produced Off-Axis Beam. Physical Review Letters, 2016, 116, 181801.	7.8	31
315	Measurement of Coherent $\bar{\nu}_e$ Production in Low Energy Neutrino-Carbon Scattering. Physical Review Letters, 2016, 117, 192501.	7.8	2
316	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
317	Performance of pile-up mitigation techniques for jets in $\sqrt{s} = 8$ TeV pp collisions. European Physical Journal C, 2016, 76, 581.	3.9	298
318	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	3.9	51
319	Measurement of jet activity in top quark events using the $e^+e^-$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
320	Measurement of the transverse momentum and $\phi_{\tau^+ \tau^-}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
321	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \tau^+ \tau^-$ with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
322	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
323	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
324	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17



#	ARTICLE	IF	CITATIONS
325	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\sqrt{\text{TeV}}$ with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	2.9	2
326	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.	1.2	11
327	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=8\sqrt{\text{TeV}}$ $s = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	3.9	115
328	Measurement of the differential cross-sections of prompt and non-prompt production of $J/\psi$ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
329	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.	3.9	279
330	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.	3.9	11
331	Addendum to "Measurement of the $t\bar{t}$ production cross-section using $e^+e^-$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	3.9	19
332	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
333	Searches for heavy diboson resonances in pp collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	25
334	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $s = 8 \sqrt{s}=8 \text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
335	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	21
336	Measurement of the CP-violating phase $\arg(\lambda)$ and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \pi^+\pi^-\pi^0$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
337	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s}=13 \sqrt{\text{TeV}}$ $s = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	3.9	73
338	Measurement of the double-differential high-mass Drell-Yan 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.	4.7	38
339	A search for prompt lepton-jets in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
340	Search for new phenomena with photon+jet events in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
341	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
342	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.	4.7	14



#	ARTICLE	IF	CITATIONS
343	Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
344	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
345	The discovery of the appearance of $\hat{1}/2 \hat{1}/4 \hat{a}^{\prime} \hat{1}/2 \hat{1}$ , oscillations. Nuclear Physics B, 2016, 908, 116-129.	2.5	0
346	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	3.9	62
347	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	3.9	95
348	Probing lepton flavour violation via neutrinoless $\bar{\nu}_\mu \rightarrow 3\mu$ and $\bar{\nu}_\tau \rightarrow 3\mu$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	3.9	19
349	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	3.9	9
350	Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	3.9	72
351	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	49
352	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.	4.7	13
353	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	3.9	109
354	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	3.9	274
355	Measurements of fiducial cross-sections for $t\bar{t}\hat{A}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	3.9	54
356	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B^0$ and $B_c^+ \rightarrow J/\psi D_s^+ \hat{A}$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	3.9	40
357	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	3.9	197
358	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	3.9	43
359	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at ( $\sqrt{s} = 8$ TeV) with the ATLAS detector. , 2016, 76, 1.		1
360	Discovery of $\bar{\nu}_\mu$ Neutrino Appearance in the CNGS Neutrino Beam with the OPERA Experiment. Physical Review Letters, 2015, 115, 121802.	7.8	132

#	ARTICLE	IF	CITATIONS
361	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
362	A search for high-mass resonances decaying to $\tilde{l}, \tilde{l}^*$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	23
363	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.	4.7	55
364	Search for lepton-flavour-violating $H \rightarrow \tilde{l} \tilde{l}^*$ decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	52
365	Measurement of four-jet differential cross sections in $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.	4.7	11
366	Limits on muon-neutrino to tau-neutrino oscillations induced by a sterile neutrino state obtained by OPERA at the CNGS beam. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
367	A search for $t \bar{t} \rightarrow \tilde{t} \tilde{t}^*$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
368	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
369	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	67
370	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
371	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
372	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.	4.7	78
373	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s}=7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
374	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	84
375	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
376	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
377	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.	4.7	60
378	Determination of the top-quark pole mass using $t \bar{t} \rightarrow \tilde{t} \tilde{t}^* + 1\text{-jet}$ events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25

#	ARTICLE	IF	CITATIONS
379	Measurement of the $t\bar{t} \rightarrow W^+W^-$ and $t\bar{t} \rightarrow Z\gamma$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
380	Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
381	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
382	Characterization of the dose distribution in the halo region of a clinical proton pencil beam using emulsion film detectors. Journal of Instrumentation, 2015, 10, P01007-P01007.	1.2	2
383	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
384	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	116
385	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
386	Search for $W' \rightarrow t\bar{t} \rightarrow q\bar{q}b\bar{b}$ decays in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
387	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 158.	3.9	17
388	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67
389	Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W^+W^-$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
390	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	3.9	27
391	Measurement of the production and lepton charge asymmetry of $W$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	3.9	41
392	The AEGIS experiment. Hyperfine Interactions, 2015, 233, 13-20.	0.5	18
393	Emulsion detectors for the antihydrogen detection in AEGIS. Hyperfine Interactions, 2015, 233, 29-34.	0.5	1
394	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
395	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	3.9	30
396	Search for resonant diboson production in the $pp \rightarrow \ell\ell q\bar{q} \rightarrow \ell\ell q\bar{q} \gamma$ final state in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74

#	ARTICLE	IF	CITATIONS
397	Measurements of the $W W$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
398	Search for dark matter in events with heavy quarks and missing transverse momentum in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
399	Measurement of the $t \bar{t} \rightarrow W W$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
400	Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $s = 7 \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
401	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
402	Search for the $b \bar{b} \rightarrow H$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
403	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \sqrt{s} = 7$ TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
404	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $s = 8 \sqrt{s} = 8$ TeV $pp$ collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
405	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ , $H \rightarrow \tau^+ \tau^-$ in fully hadronic final states using $pp$ collision data at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
406	Search for production of $WW/WZ$ resonances decaying to a lepton, neutrino and jets in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
407	Performance of the ATLAS muon trigger in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
408	Search for Higgs boson pair production in the $b \bar{b} \rightarrow b \bar{b} H$ final state from $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
409	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu \mu W W \rightarrow \tau^+ \tau^-$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21
410	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
411	Search for a new resonance decaying to a $W$ or $Z$ boson and a Higgs boson in the $u \bar{u} \rightarrow b \bar{b} H$ , $u \bar{u} \rightarrow b \bar{b} H$ , $u \bar{u} \rightarrow b \bar{b} H$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
412	Measurement of three-jet production cross-sections in $pp$ collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
413	Constraints on the off-shell Higgs boson signal strength in the high-mass $ZZ$ and $WW$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	3.9	95
414	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70

#	ARTICLE	IF	CITATIONS
415	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
416	Observation and measurements of the production of prompt and non-prompt $\Upsilon$ mesons in association with a $Z$ boson in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	3.9	64
417	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123
418	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	3.9	56
419	Search for heavy long-lived multi-charged particles in $pp$ collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	3.9	36
420	Two-particle Bose-Einstein correlations in $pp$ collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	3.9	42
421	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s} = 7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	3.9	52
422	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	3.9	138
423	Study of the radioactivity induced in air by a 15-MeV proton beam. Radiation Protection Dosimetry, 2015, 163, 269-275.	0.8	7
424	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. , 2015, 2015, 1.		3
425	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. , 2015, 75, 1.		1
426	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. , 2015, 75, 1.		2
427	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. , 2015, 75, 1.		3
428	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. , 2015, 75, 1.		3
429	Performance of cryogenic charge readout electronics with the ARGONTUBE LAr TPC. Journal of Instrumentation, 2014, 9, P11022-P11022.	1.2	5
430	Search for neutral Higgs bosons of the minimal supersymmetric standard model in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82
431	Measurement of the Inclusive Electron Neutrino Charged Current Cross Section on Carbon with the T2K Near Detector. Physical Review Letters, 2014, 113, 241803.	7.8	44
432	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	3.9	213



#	ARTICLE	IF	CITATIONS
433	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	3.9	40
434	A measurement of the ratio of the production cross sections for $WW$ and $ZZ$ bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	3.9	23
435	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s}=8\text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
436	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in $20\text{ fb}^{-1}$ of $\sqrt{s}=8\text{ TeV}$ proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
437	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8\text{ TeV}$ proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	128
438	Measurement of the $t\bar{t}\gamma$ production cross-section using $e^+e^-$ events with $b$ -tagged jets in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ and $8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
439	A micro deflectometer for antimatter. Nature Communications, 2014, 5, 4538.	12.8	71
440	The AEGIS Experiment. Hyperfine Interactions, 2014, 228, 121-131.	0.5	6
441	Evidence for $\bar{\nu}_\tau$ in the CNGS neutrino beam with the OPERA experiment. Physical Review D, 2014, 89, .	4.7	53
442	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s}=8\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66
443	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
444	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
445	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
446	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
447	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in $pp$ collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	3.9	46
448	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
449	Measurement of the production cross-section of $\tilde{t}(2S) \rightarrow J/\psi(\psi' + \psi) + \tilde{t}^* \rightarrow \tilde{t}^* + \tilde{t}^*$ in pp collisions at $\sqrt{s}=7\text{ TeV}$ at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
450	Measurement of the $Z/\gamma^*$ boson transverse momentum distribution in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131



#	ARTICLE	IF	CITATIONS
451	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $s = 8 \sqrt{s} = 8 \text{ TeV}$ proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
452	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
453	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
454	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
455	Observation of tau neutrino appearance in the CNGS beam with the OPERA experiment. Progress of Theoretical and Experimental Physics, 2014, 2014, 101C01-101C01.	6.6	37
456	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
457	AEGIS experiment: Towards antihydrogen beam production for antimatter gravity measurements. European Physical Journal D, 2014, 68, 1.	1.3	4
458	Observation of Electron Neutrino Appearance in a Muon Neutrino Beam. Physical Review Letters, 2014, 112, 061802.	7.8	369
459	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
460	Precise Measurement of the Neutrino Mixing Parameter $\theta_{23}$ from Muon Neutrino Disappearance in an Off-Axis Beam. Physical Review Letters, 2014, 112, 181801.	7.8	168
461	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7 \text{ TeV}$ $pp$ collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	3.9	13
462	Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. European Physical Journal C, 2014, 74, 1.	3.9	21
463	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	3.9	204
464	Measurement of the underlying event in jet events from $7 \text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	3.9	23
465	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	3.9	22
466	Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. European Physical Journal C, 2014, 74, 1.	3.9	31
467	Light-quark and gluon jet discrimination in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
468	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22

#	ARTICLE	IF	CITATIONS
469	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
470	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
471	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
472	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
473	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
474	The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
475	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
476	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
477	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
478	Measurement of $\tilde{t} \bar{t} c1$ and $\tilde{t} \bar{t} c2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
479	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10
480	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
481	Measuring the gravitational free-fall of antihydrogen. Hyperfine Interactions, 2014, 228, 151-157.	0.5	4
482	Search for direct top squark pair production in events with a $Z$ boson, $b$ -jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
483	Experimental study of electric breakdowns in liquid argon at centimeter scale. Journal of Instrumentation, 2014, 9, P04006-P04006.	1.2	18
484	A steerable UV laser system for the calibration of liquid argon time projection chambers. Journal of Instrumentation, 2014, 9, T11007-T11007.	1.2	11
485	Measuring GBAR with emulsion detector. International Journal of Modern Physics Conference Series, 2014, 30, 1460268.	0.7	3
486	Measurement of the drift field in the ARGONTUBE LAr TPC with 266 nm pulsed laser beams. Journal of Instrumentation, 2014, 9, P11010-P11010.	1.2	9

#	ARTICLE	IF	CITATIONS
487	Measurement of the $(\overline{t}t)$ production cross-section using $(b\bar{b})$ -tagged jets in $(pp)$ collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. , 2014, 74, 1.		2
488	Measurement of the production cross section of jets in association with a Z boson in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
489	Measurement of the cross-section for W boson production in association with b-jets in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
490	Search for third generation scalar leptoquarks in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
491	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	137
492	Measurement of ZZ production in $pp$ collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0_1$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
493	Search for charged Higgs bosons through the violation of lepton universality in $\overline{t}t$ events using $pp$ collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
494	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
495	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. Journal of High Energy Physics, 2013, 2013, 1.	4.7	21
496	Addendum: search for $\hat{1}/2 \hat{1}/4 \hat{a} \hat{t}' \hat{1}/2 e$ oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	4.7	6
497	Search for $\hat{1}/2 \hat{1}/4 \hat{a} \hat{t}' \hat{1}/2 e$ oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
498	Measurement of $k_T$ splitting scales in $W\hat{a} \hat{t}' \hat{a}$ , “ $\hat{1}/2$ events at $\sqrt{s} = 7 \text{ TeV}$ ” with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
499	Search for a light charged Higgs boson in the decay channel $H^{+} \rightarrow c\bar{s}$ in $\hat{\sigma}_{t\bar{t}}$ events using $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.	3.9	119
500	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s}=8$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
501	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
502	Measurement of the differential cross-section of B + meson production in $pp$ collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
503	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
504	Improved luminosity determination in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362

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#	ARTICLE	IF	CITATIONS
523	Measurement of the $t\bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
524	Evidence of electron neutrino appearance in a muon neutrino beam. Physical Review D, 2013, 88, .	4.7	116
525	The cyclotron laboratory and the RFQ accelerator in Bern. , 2013, , .		0
526	The Study of Neutrino Oscillations with Emulsion Detectors. Advances in High Energy Physics, 2013, 2013, 1-17.	1.1	46
527	Search for $WH$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	2.9	15
528	A new application of emulsions to measure the gravitational force on antihydrogen. Journal of Instrumentation, 2013, 8, P02015-P02015.	1.2	25
529	Design and operation of ARGONTUBE: a 5 m long drift liquid argon TPC. Journal of Instrumentation, 2013, 8, P07002-P07002.	1.2	24
530	Search for $\nu_{\tau} \rightarrow \nu_{\mu}$ oscillation with the OPERA experiment in the CNGS beam. New Journal of Physics, 2012, 14, 033017.	2.9	18
531	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7, \sqrt{s} = 8, \sqrt{s} = 13$ TeV with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
532	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7, \sqrt{s} = 8, \sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
533	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	12
534	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
535	A search for $t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
536	Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ , $H \rightarrow \tau^+ \tau^- \nu$ , $H \rightarrow \tau^+ \tau^- \nu \nu$ decay mode in $\sqrt{s} = 7, \sqrt{s} = 8, \sqrt{s} = 13$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
537	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7, \sqrt{s}=8, \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
538	Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. Journal of High Energy Physics, 2012, 2012, 1.	4.7	116
539	Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7, \sqrt{s}=8, \sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
540	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54

#	ARTICLE	IF	CITATIONS
541	Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
542	Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
543	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7\text{ TeV}$ pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
544	Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
545	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248
546	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	100
547	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	13
548	Measurement of $\text{Star}\{t\}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.	3.9	109
549	A search for $\text{Star}\{t\}$ resonances with the ATLAS detector in $2.05\text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 2083.	3.9	25
550	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	37
551	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	16
552	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
553	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	25
554	Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	22
555	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	13
556	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7\text{ TeV}$ proton-proton collisions. European Physical Journal C, 2012, 72, 1.	3.9	31
557	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	36
558			



#	ARTICLE	IF	CITATIONS
559	Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. New Journal of Physics, 2012, 14, 013026.	2.9	64
560	The ArgoNeuT detector in the NuMI low-energy beam line at Fermilab. Journal of Instrumentation, 2012, 7, P10019-P10019.	1.2	96
561	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ with ATLAS. European Physical Journal C, 2012, 72, 1.	3.9	230
562	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
563	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	36
564	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
565	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
566	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	29
567	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	15
568	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7\text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
569			

#	ARTICLE	IF	CITATIONS
577	Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
578	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	31
579	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	18
580	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
581	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	40
582	Search for diphoton events with large missing transverse energy with $36 \text{ pb}^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	15
583	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
584	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
585	Search for a heavy neutral particle decaying into an electron and a muon using $1 \text{ fb}^{-1}$ of ATLAS data. European Physical Journal C, 2011, 71, 1.	3.9	14
586	Search for massive colored scalars in four-jet final states in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	39
587	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	73
588	Measurement of $W\ell^3$ and $Z\ell^3$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	11
589	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	33
590	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
591	Study of neutrino interactions with the electronic detectors of the OPERA experiment. New Journal of Physics, 2011, 13, 053051.	2.9	44
592	Indication of Electron Neutrino Appearance from an Accelerator-Produced Off-Axis Muon Neutrino Beam. Physical Review Letters, 2011, 107, 041801.	7.8	1,054
593	Measurement of the atmospheric muon charge ratio with the OPERA detector. European Physical Journal C, 2010, 67, 25-37.	3.9	26
594	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187

#	ARTICLE	IF	CITATIONS
595	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
596	Measurement of the $W \rightarrow \ell \bar{\nu}_\ell$ and $Z \rightarrow \ell \ell$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
597	Observation of a first $\nu_\tau$ candidate event in the OPERA experiment in the CNGS beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 691, 138-145.	4.1	173
598	First results on proton radiography with nuclear emulsion detectors. Journal of Instrumentation, 2010, 5, P09001-P09001.	1.2	42
599	NUCLEAR EMULSION FILM DETECTORS FOR PROTON RADIOGRAPHY: DESIGN AND TEST OF THE FIRST PROTOTYPE. , 2010, , .		0
600	The OPERA experiment in the CERN to Gran Sasso neutrino beam. Journal of Instrumentation, 2009, 4, P04018-P04018.	1.2	195
601	The detection of neutrino interactions in the emulsion/lead target of the OPERA experiment. Journal of Instrumentation, 2009, 4, P06020-P06020.	1.2	41
602	A prototype liquid Argon Time Projection Chamber for the study of UV laser multi-photon ionization. Journal of Instrumentation, 2009, 4, P07011-P07011.	1.2	18
603	Final results on oscillation from the CHORUS experiment. Nuclear Physics B, 2008, 793, 326-343.	2.5	52
604	High-speed analysis of nuclear emulsion films with the use of dry objective lenses. Journal of Instrumentation, 2008, 3, P04006-P04006.	1.2	16
605	Electron/pion separation with an Emulsion Cloud Chamber by using a Neural Network. Journal of Instrumentation, 2007, 2, P02001-P02001.	1.2	16
606	Track reconstruction in the emulsion-lead target of the OPERA experiment using the ESS microscope. Journal of Instrumentation, 2007, 2, P05004-P05004.	1.2	56
607	First events from the CNGS neutrino beam detected in the OPERA experiment. New Journal of Physics, 2006, 8, 303-303.	2.9	88
608	Design, construction and tests of the ICARUS T600 detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 527, 329-410.	1.6	362
609	Design and prototype tests of the RPC system for the OPERA spectrometers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 175-180.	1.6	13
610	Observation of one event with the characteristics of associated charm production in neutrino charged-current interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 539, 188-196.	4.1	17
611	OPERA: an emulsion detector for a long baseline $\nu_\mu \rightarrow \nu_\tau$ oscillation search. Nuclear Physics, Section B, Proceedings Supplements, 1998, 66, 423-427.	0.4	8
612	Study of a new experiment for the search of $\nu_\mu \rightarrow \nu_\tau$ oscillations. Nuclear Physics, Section B, Proceedings Supplements, 1997, 54, 139-150.	0.4	9

#	ARTICLE	IF	CITATIONS
613	The CHORUS experiment to search for $\nu_{\mu} \rightarrow \nu_{\tau}$ oscillation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 401, 7-44.	1.6	209