

Antonios Leisos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6284218/publications.pdf>

Version: 2024-02-01

435
papers

17,122
citations

15495

65
h-index

30894

102
g-index

455
all docs

455
docs citations

455
times ranked

9923
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.	1.4	6
2	Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	14
3	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
4	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
5	Engaging high school students to remote laboratories: the case of the $\frac{1}{4}$ Net project. Physics Education, 2022, 57, 035002.	0.3	0
6	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
7	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
8	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
9	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s}=13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	1.4	5
10	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7
11	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2
12	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, 1.	1.4	12
13	Detection of high energy showers by the Astroneu extensive air shower array. New Astronomy, 2021, 82, 101448.	0.8	2
14	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
15	Calibration Procedures for Accurate Timing and Directional Reconstruction of EAS Particle-fronts with Astroneu Stations. Instruments and Experimental Techniques, 2021, 64, 127-140.	0.1	2
16	Medium-Induced Modification of Z -Tagged Charged Particle Yields in $Pb-Pb$ Collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS Detector. Physical Review Letters, 2021, 126, 072301.	2.9	7
17	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	37
18	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38
20	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
21	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	17
22	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb^{-1} of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
23	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
24	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
25	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	22
26	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	18
27	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	1.4	15
28	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma \gamma$ 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.	1.4	40
29	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
30	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $e^+e^- \rightarrow e^+e^- H H$ and $e^+e^- \rightarrow e^+e^- W W$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
31	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
32	Measurements of $W+W\gamma$ + 1 jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
33	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	46
34	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	14
35	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
36	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.	1.6	12

#	ARTICLE	IF	CITATIONS
37	Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W\Delta$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
38	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
39	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
40	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	82
41	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	13
42	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
43	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	64
44	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	12
45	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
46	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
47	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	1.4	5
48	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
49	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	1.4	7
50	Extensive Air Shower Reconstruction using the timing information from the RF-system of the Astroneu array. Journal of Physics: Conference Series, 2021, 2105, 012018.	0.3	0
51	The $\frac{1}{4}$ Net project: A status report. Journal of Physics: Conference Series, 2021, 2105, 012019.	0.3	1
52	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
53	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
54	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4

#	ARTICLE	IF	CITATIONS
55	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
56	Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	28
57	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
58	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \tau^+ \tau^- J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
59	Search for displaced vertices of oppositely charged leptons from decays of long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135145.	1.5	14
60	Search for non-resonant Higgs boson pair production in the $b\bar{b}\gamma, 1/2\gamma, 1/2\gamma$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135145.	1.5	13
61	Searches for lepton-flavour-violating decays of the Higgs boson in $s=13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	31
62	Searches for lepton-flavour-violating decays of the Higgs boson in $s=13$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135069.	1.5	30
63	Search for flavour-changing neutral currents in processes with one top quark and a photon using 81 fb $^{-1}$ of pp collisions at $s=13$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135082.	1.5	10
64	Combination of searches for Higgs boson pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135103.	1.5	53
65	Dijet Resonance Search with Weak Supervision Using $\sqrt{s} = 13$ TeV pp Collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135103.	1.5	28
66	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	67
67	Cosmic Ray RF detection with the Astroneu array. New Astronomy, 2020, 81, 101443.	0.8	6
68	Measurements of inclusive and differential cross-sections of combined γ and tW^3 production in the $e1/4$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
69	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
70	Outreach activities with the μ Cosmics air shower detector. Physics Education, 2020, 55, 055005.	0.3	4
71	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	24
72	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32

#	ARTICLE	IF	CITATIONS
73	Measurement of the production cross-section in the lepton+jets channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.5	12
74	The Astroneu Extensive Air Shower array. Journal of Instrumentation, 2020, 15, T03003-T03003.	0.5	13
75	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
76	Performance of the ATLAS muon triggers in Run 2. Journal of Instrumentation, 2020, 15, P09015-P09015.	0.5	62
77	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 $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	34
78	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
79	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
80	Properties of Higgs Boson Interactions with Top Quarks in the $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	40
81	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
82	Search for the HH \rightarrow b \bar{b} process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
83	Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
84	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	28
85	Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	2.9	97
86	Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. Physical Review D, 2020, 101, 1.	1.6	80
87	Measurements of the azimuthal anisotropy of charged-particle production in Xe+Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Nuclear Physics A, 2020, 995, 1.	1.1	29
88	Search for direct stau production in events with two hadronic leptons in $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. Physical Review D, 2020, 101, 1.	1.6	33
89	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
90	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4

#	ARTICLE	IF	CITATIONS
91	Measurement of soft-drop jet observables in pp collisions with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 101, .	1.6	21
92	Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
93	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. Journal of Instrumentation, 2020, 15, P11016-P11016.	0.5	4
94	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
95	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1.	1.6	17
96	Higgs boson production cross-section measurements and their EFT interpretation in the $t\bar{t}$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
97	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
98	Search for heavy neutral Higgs bosons produced in association with b -quarks and decaying into b -quarks at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	22
99	Search for W boson production cross-section measurements and their EFT interpretation in the $t\bar{t}$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 102, .	1.6	22
100	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	36
101	Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 101, .	1.6	28
102	ATLAS data quality operations and performance for 2015–2018 data-taking. Journal of Instrumentation, 2020, 15, P04003-P04003.	0.5	68
103	Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 222002.	2.9	28
104	Test of CP invariance in vector-boson fusion production of the Higgs boson in the $H \rightarrow \tau\tau$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, 2020, 805, 135426.	1.5	22
105	Search for W boson production cross-section measurements and their EFT interpretation in the $t\bar{t}$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 102, .	2.9	17
106	Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, .	1.4	26
107	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ⁻¹ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
108	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7

#	ARTICLE	IF	CITATIONS
109	Production of $Z(\nu\bar{\nu})$ in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured by the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 124, 031802.	1.5	11
110	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 031802.	2.9	25
111	Measurement of the $Z(\nu\bar{\nu})$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
112	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 13$ TeV and 13 TeV. European Physical Journal C, 2020, 80, 1.	1.4	5
113	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.	1.4	12
114	Measurement of J/ψ production in association with a $W\pm$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
115	Search for new resonances in mass distributions of jet pairs using 139 fb ⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	68
116	Search for $\overline{t}t$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
117	Reconstruction and identification of boosted di- t systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
118	Evidence for electroweak production of two jets in association with a Z^0 pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 125, 251802.	1.5	9
119	Angular reconstruction of high energy air showers using the radio signal spectrum. Physica Scripta, 2020, 95, 084007.	1.2	5
120	Search for resonances decaying into a weak vector boson and a Higgs boson in the fully hadronic final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2020, 102, .	1.6	14
121	Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $s = 13$ TeV with the ATLAS Detector. Physical Review Letters, 2020, 125, 251802.	2.9	6
122	Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS. Physical Review Letters, 2020, 125, 261801.	2.9	22
123	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
124	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	124
125	Search for top squarks in events with a Higgs or Z boson using 139 fb ⁻¹ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
126	Evidence for $t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	30

#	ARTICLE	IF	CITATIONS
127	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	29
128	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	21
129	Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	36
130	A low cost hybrid detection system of high energy air showers. Engineering Research Express, 2020, 2, 025027.	0.8	3
131	Optimal observables for the measurement of anomalous quartic gauge boson couplings. Physica Scripta, 2020, 95, 084013.	1.2	0
132	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
133	Î¼Net: Towards the first array of educational air shower detectors in Greece. International Journal of Modern Physics A, 2020, 35, 2044022.	0.5	3
134	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
135	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	49
136	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 257-267.	2.9	23
137	Search for heavy charged long-lived particles in the ATLAS detector in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 257-267.	1.5	196
138	Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, 054011.	1.6	21
139	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	1.4	28
140	Search for heavy particles decaying into a top-quark pair in the fully hadronic final state in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, 054011.	1.6	22
141	Search for heavy charged long-lived particles in the ATLAS detector in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, 054011.	1.5	15
142	Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	21
143	Observation of Light-by-Light Scattering in Ultraperipheral $p\bar{p}$ collisions with the ATLAS detector. Physical Review Letters, 2019, 123, 052001.	2.9	75
144	Measurement of prompt photon production in $p\bar{p}$ collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 811, 257-267.	1.5	10

#	ARTICLE	IF	CITATIONS
145	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
146	Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	41
147	Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801	2.9	133
148	Measurement of the $t\bar{t}Z$ production cross sections in the $t\bar{t}Z$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134942.	1.6	28
149	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	30
150	Search for scalar resonances decaying into $t\bar{t}$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
151	Measurement of the production cross section for a Higgs boson in association with a vector boson in the VW channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134942.	1.5	22
152	Measurement of the production cross section for a Higgs boson in association with a vector boson in the VW channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134942.	1.5	13
153	Measurement of the production cross section for a Higgs boson in association with a vector boson in the VW channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134942.	1.5	39
154	Search for diboson resonances in hadronic final states in $13 < \sqrt{s} < 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
155	Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, 1.	1.4	4
156	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	21
157	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
158	Properties of jet fragmentation using charged particles measured with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
159	Measurement of the production cross section for a Higgs boson in association with two jets in the VW channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134942.	2.9	53
160	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
161	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	77
162	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	3

#	ARTICLE	IF	CITATIONS
163	Studies for high energy air shower identification using RF measurements with the ASTRONEU array. EPJ Web of Conferences, 2019, 210, 05010.	0.1	5
164	Evidence for the production of three massive vector bosons with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134913.	1.5	10
165	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
166	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $s = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	1.5	9
167	Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $s = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 347-370.	1.6	20
168	Correlated long-range mixed-harmonic fluctuations measured in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 444-471.	1.5	25
169	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 469-492.	1.5	38
170	Modelling radiation damage to pixel sensors in the ATLAS detector. Journal of Instrumentation, 2019, 14, P06012-P06012.	0.5	7
171	Search for invisible Higgs boson decays in vector boson fusion at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 499-519.	1.6	33
172	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
173	Combinations of single-top-quark production cross-section measurements and $ f_{LVtb} $ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
174	Search for top-quark decays $t \rightarrow Hq$ with 36 fb $^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	19
175	Measurement of VH , $\overline{H} \rightarrow b\overline{b}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
176	Measurements of inclusive and differential fiducial cross-sections of $\overline{t}t$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
177	Measurement of the four-lepton invariant mass spectrum in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
178	Search for Higgs boson pair production in the $\overline{b}W\{W\}^*b$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	26
179	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072001.	1.6	11
180	Search for heavy long-lived multicharged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, 072001.	1.6	6

#	ARTICLE	IF	CITATIONS
181	Observation measurements of the Higgs boson decaying into a pair of τ -leptons in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .	1.6	63
182	Measurements of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
183	Study of the rare decays of B^0 s and B^0 mesons into muon pairs using data collected during 2015 and 2016 with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, .	1.6	62
184	Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	1.4	42
185	Measurements of inclusive and differential fiducial cross-sections of γ^* production in leptonic final states at $\sqrt{s}=13$ TeV in ATLAS. European Physical Journal C, 2019, 79, 1.	1.4	14
186	Search for long-lived particles produced in pp collisions at $s=13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. Physical Review D, 2019, 99, .	1.6	35
187	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $s=13$ TeV. Physical Review Letters, 2019, 29, 122, 151801.		12
188	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	0.5	37
189	Search for four-top-quark production in the single-photon and possible-sign dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.6	13
190	Study of the hard double-parton scattering contribution to inclusive four-lepton production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 595-614.	1.6	16
191	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
192	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	39
193	In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	28
194	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.	1.4	46
195	4Cosmics: A Low-Cost Educational Cosmic Ray Telescope. Universe, 2019, 5, 23.	0.9	9
196	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
197	Measurement of the top quark mass in the $t \rightarrow t \bar{t}$. European Physical Journal C, 2019, 79, 1.	1.4	47
198	Measurement of the nuclear modification factor for inclusive jets in Pb+Pb collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 108-128.	1.5	74

#	ARTICLE	IF	CITATIONS
199	Hybrid Detection of High Energy Showers in Urban Environments. Universe, 2019, 5, 3.	0.9	10
200	Search for pair production of Higgs bosons in the final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	55
201	Search for gluon fusion and vector-boson fusion Higgs boson production cross-sections in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 508-529.	1.5	46
202	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	25
203	Search for pairs of highly collimated photon-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99.	1.6	10
204	Search for squarks and gluinos in final states with hadronically decaying leptons, jets, and missing transverse momentum using pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.6	13
205	Measurement of the top-quark mass in $t \rightarrow b + 1\text{-jet}$ events collected with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
206	Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
207	Measurement of ZZ production in the $\tau^+ \tau^-$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
208	Measurement of $W^{\pm}Z$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
209	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	9
210	Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P12006-P12006.	0.5	124
211	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	50
212	Measurement of $W^{\pm}Z$ boson production in Pb+Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
213	ATLAS b-jet identification performance and efficiency measurement with $t \rightarrow b + 1\text{-jet}$ events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	130
214	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and lead-proton collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	36
215	Resolution of the ATLAS muon spectrometer monitored drift tubes in LHC Run 2. Journal of Instrumentation, 2019, 14, P09011-P09011.	0.5	7
216	Measurement of angular and momentum distributions of charged particles within and around jets in Pb+Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.1	11

#	ARTICLE	IF	CITATIONS
217	Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 1-21.	1.1	14
218	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}4\ell$ final state in pp collision at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 1-21.	1.6	15
219	Measurements of top-quark pair differential and double-differential cross-sections in the jj channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.6	43
220	Measurements of top-quark pair differential and double-differential cross-sections in the jj channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	34
221	Hellenic Lyceum Cosmic Observatories Network: Status Report and Outreach Activities. Universe, 2019, 5, 4.	0.9	7
222	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.	1.6	14
223	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}4\ell$ final state in pp collision at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 1-21.	1.5	20
224	Search for Higgs boson decays into a pair of light bosons in the $b\bar{b}4\ell$ final state in pp collision at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 1-21.	1.5	20
225	Measurement of photon-jet transverse momentum correlations in 5.02 TeV Pb + Pb and pp collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 167-190.	1.5	28
226	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.	1.6	5
227	Measurement of S^0 and Λ^0 production in pp dileptonic events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	4
228	Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. Physical Review D, 2018, 97, .	1.6	51
229	Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 781, 55-76.	1.6	13
230	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a\bar{a}$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
231	Measurement of the $Z\gamma_{\text{loop}}\gamma$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
232	Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	1.4	19
233	Search for Higgs boson pair production in the $\gamma\gamma WW^* \rightarrow \gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	1.4	53
234	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16

#	ARTICLE	IF	CITATIONS
235	The Hellenic Open University Cosmic Ray Telescope: Research and Educational Activities. EPJ Web of Conferences, 2018, 182, 02072.	0.1	7
236	Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physical Review C, 2018, 98, 034907.	1.1	12
237	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, 034017.	2.9	145
238	Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb Collisions at the ATLAS Experiment. Physical Review Letters, 2018, 121, 212301.	2.9	41
239	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
240	Search for Higgs boson pair production in the $\gamma\gamma$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
241	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	30
242	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	1.4	51
243	Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s} = 4$ TeV. Journal of Instrumentation, 2018, 13, P12006-P12006.	0.5	2
244	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	56
245	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
246	A 100 ps multi-time over threshold data acquisition system for cosmic ray detection. Measurement Science and Technology, 2018, 29, 115001.	1.4	5
247	Search for pair production of heavy vector-like quarks decaying into high- p_T W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	22
248	Combined measurement of differential and total cross sections in the $H \rightarrow \tau\tau$ and the $H \rightarrow Z\gamma$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 114-133.	1.6	12
249	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
250	Observation of $H \rightarrow \tau\tau$ decays and VH production with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 114-133.	1.5	138
251	Combined search for heavy resonances decaying into photon pairs using proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, 034017.	1.5	13
252	Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4\ell$ and $ZZ \rightarrow 2\ell 2\gamma$ final states with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 223-244.	1.5	43

#	ARTICLE	IF	CITATIONS
253	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$, in the $\tau^{\pm} + \text{jets}$ and $\tau^{\pm} + \text{lepton}$ final states with 36 fb^{-1} of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	59
254	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
255	Measurement of the Higgs boson mass in the $H \rightarrow \tau\tau$ and $H \rightarrow \tau\nu$ channels with $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 345-366.	1.6	61
256	Measurements of b-jet tagging efficiency with the ATLAS detector using $\overline{t\bar{t}}$ events at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
257	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
258	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physical Review C, 2018, 98, .	1.1	24
259	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.	1.4	27
260	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	33
261	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191.	1.5	169
262	Combination of inclusive and differential $\overline{t\bar{t}}$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	7
263	Measurement of the $\sigma(t\bar{t}Z)$ and $\sigma(t\bar{t}W)$ production cross sections in multilepton final states using 3.2 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
264	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61
265	Search for triboson $W^{\pm}W^{\pm}W^{\mp}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
266	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
267	Intrinsic limits on resolutions in muon- and electron-neutrino charged-current events in the KM3NeT/ORCA detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
268	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
269	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	10
270	A Data Acquisition System based on high sampling rate oscilloscopes. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
271	Measurement of event-shape observables in $Z \rightarrow e^+ e^- \gamma$ events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	1.4	15
272	Charged-particle distributions in pp interactions at $\sqrt{s} = 8 \text{ TeV}$ measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	1.4	30
273	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
274	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	1.4	37
275	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a Z^{\prime} boson in the au au , I, I , final state produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	1.4	51
276	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	1.4	73
277	Measurement of the 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.	1.4	12
278	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	1.4	21
279	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 292.	1.4	453
280	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	1.4	48
281	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	1.4	31
282	A method to stabilise the performance of negatively fed KM3NeT photomultipliers. Journal of Instrumentation, 2016, 11, P12014-P12014.	0.5	8
283	Letter of intent for KM3NeT 2.0. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 084001.	1.4	512
284	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.	1.6	44
285	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.	1.6	71
286	Search for flavour-changing neutral current top-quark decays to $\nu q Z$ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 12.	1.4	39
287	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 87.	1.4	39
288	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	1.4	10

#	ARTICLE	IF	CITATIONS
289	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^- b \bar{b}$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	43
290	Study of the rare decays of $B^0 \rightarrow B^+ B^-$ and $B^0 \rightarrow B^+ B^-$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	1.4	46
291	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2016, 76, 517.	1.4	24
292	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
293	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	1.4	43
294	Measurement of the relative width difference of the $B^0 \rightarrow B^+ B^-$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
295	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	1.4	50
296	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	1.4	298
297	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	1.4	51
298	Measurement of jet activity in top quark events using the $e^+ e^-$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
299	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.	1.4	154
300	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \tau^+ \tau^- \nu \bar{\nu}$ with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
301	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
302	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
303	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
304	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	1.2	2
305	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.	0.5	11
306	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	1.4	115

#	ARTICLE	IF	CITATIONS
307	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
308	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
309	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	1.4	11
310	Addendum to "Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	1.4	19
311	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	33
312	Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	25
313	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
314	Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	21
315	Measurement of the CP-violating phase $\arg(\lambda)$ and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \mu^+\mu^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
316	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
317	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	38
318	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
319	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
320	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
321	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
322	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
323	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	1.4	62
324	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	1.4	95

#	ARTICLE	IF	CITATIONS
325	Probing lepton flavour violation via neutrinoless $\chi^0 \rightarrow \mu^+ \mu^- \gamma$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.	1.4	19
326	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	1.4	9
327	Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	1.4	72
328	The prototype detection unit of the KM3NeT detector. European Physical Journal C, 2016, 76, 1.	1.4	32
329	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	49
330	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46.	1.6	13
331	Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.	1.4	109
332	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
333	Measurements of fiducial cross-sections for $t \bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.	1.4	54
334	Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \rightarrow \hat{t}^* J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ \hat{t}^* \rightarrow B_c^+ \hat{t}^* J/\psi D_s^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.	1.4	40
335	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.	1.4	197
336	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.	1.4	43
337	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s} = 8, \text{TeV})$ with the ATLAS detector. , 2016, 76, 1.		1
338	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.	1.6	4
339	A search for high-mass resonances decaying to $\tilde{l}, \tilde{l}^*, \tilde{\nu}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	23
340	Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.	1.6	55
341	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.	1.6	52
342	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.	1.6	11

#	ARTICLE	IF	CITATIONS
343	A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
344	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.	1.6	28
345	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
346	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.	1.6	33
347	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	108
348	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
349	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.	1.6	40
350	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	84
351	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
352	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
353	Summary of the searches for squarks and gluinos using $\sqrt{s}=8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
354	Determination of the top-quark pole mass using $t\bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	1.6	25
355	Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
356	Search for flavour-changing neutral current top quark decays $t\bar{t}'Hq$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	1.6	19
357	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	36
358	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.	1.6	42
359	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	116
360	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.	1.6	17

#	ARTICLE	IF	CITATIONS
361	Search for $W' \rightarrow tb \rightarrow qqbb$ $W \rightarrow t \bar{t} b \hat{q} q b b$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	1.4	35
362	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 158.	1.4	17
363	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
364	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	22
365	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	1.4	27
366	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	1.4	41
367	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	1.4	30
368	Search for resonant diboson production in the $q\bar{q} \rightarrow q\bar{q} \gamma^* \gamma^* \rightarrow q\bar{q} \ell\ell$ final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
369	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
370	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	1.4	77
371	Measurement of the $t \bar{t} \rightarrow t \bar{t} \gamma^* \rightarrow t \bar{t} \ell\ell$ 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.	1.6	30
372	Measurement of the $WW + WZ$ 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 $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
373	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
374	Search for the $b \bar{b} \rightarrow b \bar{b} \gamma^* \rightarrow b \bar{b} \ell\ell$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	89
375	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ using 4.5 fb ⁻¹ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	35
376	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8 \text{ TeV}$ pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
377	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \nu_\tau$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	69
378	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79

#	ARTICLE	IF	CITATIONS
379	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
380	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	1.4	90
381	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e\mu u$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	1.4	21
382	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
383	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
384	Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s}=8$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	1.4	23
385	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
386	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.	1.4	70
387	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	1.4	174
388	Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	1.4	64
389	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.	1.4	123
390	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	1.4	56
391	Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.	1.4	36
392	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s}=0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	1.4	42
393	Measurement of the top quark mass in the $t\bar{t} \rightarrow \text{lepton+jets}$ and $t\bar{t} \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.	1.4	52
394	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	1.4	138
395	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
396	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

#	ARTICLE	IF	CITATIONS
397	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
398	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	82
399	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	1.4	213
400	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	1.4	40
401	A measurement of the ratio of the production cross sections for W and Z bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.	1.4	23
402	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $s = 8 \sqrt{s}=8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	45
403	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb^{-1} of $s \sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	12
404	Deep sea tests of a prototype of the KM3NeT digital optical module. European Physical Journal C, 2014, 74, 1.	1.4	46
405	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $s = 8 \sqrt{s}=8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	1.6	128
406	Measurement of the $t\bar{t}\hat{A}^-$ production cross-section using $e\hat{e}^{-1/4}$ events with b -tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
407	Detection of extended galactic sources with an underwater neutrino telescope. , 2014, , .		0
408	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s \sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
409	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
410	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	1.4	48
411	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68
412	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	1.4	46
413	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $s \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	41
414	Measurement of the production cross-section of $\tilde{\chi}^0(2S) \hat{A}^+ J/\psi(\hat{A}^+ \hat{e}^{-1/4} + \hat{e}^{-1/4} \hat{A}^+) \tilde{\chi}^0 + \tilde{\chi}^0 \hat{A}^+$ in pp collisions at $s \sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21

#	ARTICLE	IF	CITATIONS
415	Measurement of the $Z/\tilde{\chi}^0$ boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131
416	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	38
417	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.	1.6	45
418	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	47
419	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 $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
420	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 $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	40
421	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.	1.6	10
422	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.	1.6	45
423	Measurement of the (τ) production cross-section using (μ) events with (b) -tagged jets in (pp) collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector. , 2014, 74, 1.		2
424	A reconstruction method for neutrino induced muon tracks taking into account the apriori knowledge of the neutrino source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 725, 114-117.	0.7	2
425	A feasibility study for the detection of supernova explosions with an undersea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 725, 89-93.	0.7	0
426	Reconstruction efficiency and discovery potential of a Mediterranean neutrino telescope: A simulation study using the Hellenic Open University Reconstruction and Simulation (HOURS) package. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 725, 68-71.	0.7	8
427	Use of Multi-time over Threshold electronics to digitize signals from a Very Large Volume undersea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, S163-S165.	0.7	8
428	Calibration and optimization of a very large volume neutrino telescope using extensive air showers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, S231-S233.	0.7	3
429	HOU Reconstruction & Simulation (HOURS): A complete simulation and reconstruction package for very large volume underwater neutrino telescopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, S185-S187.	0.7	22
430	Tools and methods for simulation and evaluation of very large volume Cherenkov neutrino detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 79-82.	0.7	2
431	Synchronous detection of extensive air showers by a HELYCON detector array and a deep sea underwater neutrino telescope: Statistical and systematic effects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 83-87.	0.7	2
432	Use of floating surface detector stations for the calibration of a deep-sea neutrino telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 595, 80-83.	0.7	12

#	ARTICLE	IF	CITATIONS
433	Measurement of trilinear gauge boson couplings WWV , ($V = \gamma, Z, \hat{A}^3$) in e^+e^- collisions at 189 GeV . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 502, 9-23.	1.5	29
434	Multidimensional binning techniques for a two parameter trilinear gauge coupling estimation at LEP II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 430, 455-473.	0.7	2
435	Extended modified observable technique for a multi-parametric Trilinear Gauge Coupling estimation at LEP II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 430, 474-487.	0.7	3