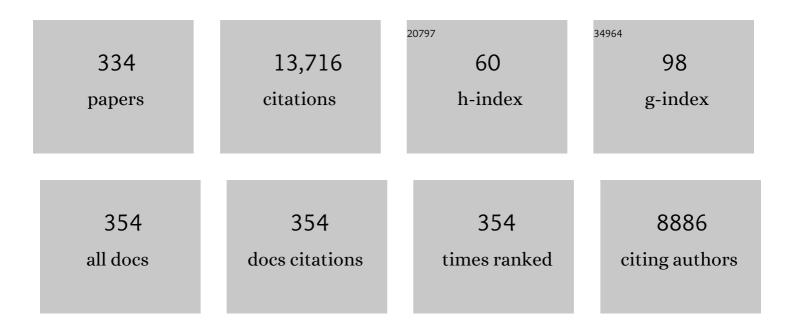
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Reconstructing the kinematics of deep inelastic scattering with deep learning. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166164.	0.7	12
2	Active readout-error mitigation. Physical Review A, 2022, 105, .	1.0	16
3	Performance of the ATLAS Level-1 topological trigger in RunÂ2. European Physical Journal C, 2022, 82, 1.	1.4	6
4	Measurement of the c-jet mistagging efficiency in \$\$tar{t}\$\$Âevents using pp collision data at \$\$sqrt{s}=13\$\$Â\$\$ext {TeV}\$\$ collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	14
5	A cautionary tale of decorrelating theory uncertainties. European Physical Journal C, 2022, 82, 1.	1.4	9
6	Search for exotic decays of the Higgs boson into b\$\$ overline{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
7	Publishing unbinned differential cross section results. Journal of Instrumentation, 2022, 17, P01024.	0.5	14
8	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 13Â\$\$ext {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	1.4	8
9	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fbâ ́1 of pp collision data at \$\$ sqrt{s} \$\$ = 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
10	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
11	Measurement of the energy response of the ATLASÂcalorimeter to chargedÂpions from \$\$W^{pm }ightarrow au ^{pm }(ightarrow pi ^{pm }u _{au })u _{au }\$\$ events in RunÂ2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
12	The ATLAS inner detector trigger performance in pp collisions at 13ÂTeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	1.4	5
13	Online-compatible unsupervised nonresonant anomaly detection. Physical Review D, 2022, 105, .	1.6	14
14	Computationally efficient zero-noise extrapolation for quantum-gate-error mitigation. Physical Review A, 2022, 105, .	1.0	17
15	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at \$\$sqrt{s}=13\$\$ÂTeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7
16	Measurement of the energy asymmetry in \$\$t{ar{t}}j\$\$ production at \$\$13,\$\$TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2
17	High-dimensional anomaly detection with radiative return in e+eâ^ collisions. Journal of High Energy Physics, 2022, 2022, .	1.6	2
18	Neural conditional reweighting. Physical Review D, 2022, 105, .	1.6	4

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19	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at \$\$sqrt{s} = 7\$\$, 8 and 13ÂTeV. European Physical Journal C, 2022, 82, 1.	1.4	12
20	Machine learning in the search for new fundamental physics. Nature Reviews Physics, 2022, 4, 399-412.	11.9	31
21	Symmetry discovery with deep learning. Physical Review D, 2022, 105, .	1.6	14
22	Data-directed search for new physics based on symmetries of the SM. European Physical Journal C, 2022, 82, .	1.4	3
23	Structure Functions and Parton Densities: a Session Summary. SciPost Physics Proceedings, 2022, , .	0.2	1
24	Optimizing observables with machine learning for better unfolding. Journal of Instrumentation, 2022, 17, P07009.	0.5	1
25	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
26	Quantum Gate Pattern Recognition and Circuit Optimization for Scientific Applications. EPJ Web of Conferences, 2021, 251, 03023.	0.1	8
27	Parameter estimation using neural networks in the presence of detector effects. Physical Review D, 2021, 103, .	1.6	11
28	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fbâ^'1 of \$\$ sqrt{s} \$\$ = 13 TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	37
29	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
30	Measurements of WH and ZH production in the \$\$H ightarrow bar{b}\$\$ decay channel in pp collisions at \$\$13,ext {Te}ext {V}\$\$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38
31	Readout rebalancing for near-term quantum computers. Physical Review A, 2021, 103, .	1.0	17
32	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
33	Automating the ABCD method with machine learning. Physical Review D, 2021, 103, .	1.6	23
34	Quantum Algorithm for High Energy Physics Simulations. Physical Review Letters, 2021, 126, 062001.	2.9	67
35	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at \$\$ sqrt{s} = 13,{ext {TeV}} \$\$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	17
36	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nbâ^'1 of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19

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37	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
38	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
39	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	22
40	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton–proton collisions at \$\$sqrt{s}\$\$ = 13ÂTeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	18
41	Enhancing searches for resonances with machine learning and moment decomposition. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
42	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13ÂTeV proton–proton collisions. European Physical Journal C, 2021, 81, 1.	1.4	15
43	Search for heavy resonances decaying into a pair of Z bosons in the \$\$ell ^+ell ^-ell '^+ell '^-\$\$ and \$\$ell ^+ell ^-u {{ar{u }}}\$\$ final states using 139 \$\$mathrm {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
44	Search for new phenomena in final states with b-jets and missing transverse momentum in \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	18
45	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the \$\$ell ell bb\$\$ and \$\$ell ell WW\$\$ final states in pp collisions at \$\$sqrt{s}=13\$\$Â\$\$ext {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	26
46	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{mathrm{s}} \$\$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	23
47	Learning from many collider events at once. Physical Review D, 2021, 103, .	1.6	17
48	Measurements of W+Wâ^'+ ≥ 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
49	Search for charged Higgs bosons decaying into a top quark and a bottom quark at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	46
50	GANplifying event samples. SciPost Physics, 2021, 10, .	1.5	38
51	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at \$\$sqrt{s}=13,ext {TeV}\$\$. European Physical Journal C, 2021, 81, 1.	1.4	14
52	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a ï"-lepton in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
53	Comparing weak- and unsupervised methods for resonant anomaly detection. European Physical Journal C, 2021, 81, 1.	1.4	26
54	Search for supersymmetry in events with four or more charged leptons in 139 fbâ^'1 of \$\$ sqrt{s} \$\$ = 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12

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55	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W± and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
56	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
57	A search for the decays of stopped long-lived particles at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
58	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at \$\$\$qrt{s}=13\$\$ TeV. European Physical Journal C, 2021, 81, 1.	1.4	82
59	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
60	Measurement of single top-quark production in association with a W boson in the single-lepton channel at \$\$sqrt{s} = 8,ext {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	3
61	Simulation-assisted decorrelation for resonant anomaly detection. Physical Review D, 2021, 104, .	1.6	34
62	Jet energy scale and resolution measured in proton–proton collisions at \$\$sqrt{s}=13\$\$ÂTeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	64
63	Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a ZÂboson at \$\$sqrt{s} = 13\$\$ÂTeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	12
64	Uncertainty-aware machine learning for high energy physics. Physical Review D, 2021, 104, .	1.6	24
65	Search for dark matter produced in association with a single top quark in \$\$sqrt{s}=13\$\$ÂTeV \$\$pp\$\$ collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
66	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
67	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
68	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
69	Preserving new physics while simultaneously unfolding all observables. Physical Review D, 2021, 104, .	1.6	5
70	The LHC Olympics 2020 a community challenge for anomaly detection in high energy physics. Reports on Progress in Physics, 2021, 84, 124201.	8.1	70
71	Simulating Collider Physics on Quantum Computers Using Effective Field Theories. Physical Review Letters, 2021, 127, 212001.	2.9	28
72	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using \$\$sqrt{s} = 13hbox { TeV}\$\$ proton–proton collision data. European Physical Journal C, 2021, 81, 1.	1.4	7

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73	Measurement of the t\$\$ overline{t} \$\$t\$\$ overline{t} \$\$ production cross section in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
74	Mitigating Depolarizing Noise on Quantum Computers with Noise-Estimation Circuits. Physical Review Letters, 2021, 127, 270502.	2.9	56
75	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
76	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
77	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
78	Search for chargino–neutralino pair production in final states with three leptons and missing transverse momentum in \$\$sqrt{s} = 13\$\$ÂTeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	28
79	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
80	Measurement of b-quark fragmentation properties in jets using the decay B± → J/Ĩ`K± in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
81	Electromagnetic showers beyond shower shapes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 951, 162879.	0.7	19
82	Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. Physics Reports, 2020, 841, 1-63.	10.3	230
83	Measurements of inclusive and differential cross-sections of combined \$\$ toverline{t}gamma \$\$ and tWγ production in the eμ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	3
84	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
85	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
86	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.	1.4	32
87	Fluctuations of anisotropic flow in Pb+Pb collisions at \$\$ sqrt{{mathrm{s}}_{mathrm{NN}}} \$\$ = 5.02 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	28
88	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\$\$ÂTeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	34
89	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
90	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

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91	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
92	Zero-noise extrapolation for quantum-gate error mitigation with identity insertions. Physical Review A, 2020, 102, .	1.0	81
93	Search for the HH → \$\$ boverline{b}boverline{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
94	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
95	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
96	Neural networks for full phase-space reweighting and parameter tuning. Physical Review D, 2020, 101, .	1.6	32
97	OmniFold: A Method to Simultaneously Unfold All Observables. Physical Review Letters, 2020, 124, 182001.	2.9	56
98	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
99	Anomaly detection with density estimation. Physical Review D, 2020, 101, .	1.6	128
100	Simulation assisted likelihood-free anomaly detection. Physical Review D, 2020, 101, .	1.6	78
101	Error detection on quantum computers improving the accuracy of chemical calculations. Physical Review A, 2020, 102, .	1.0	19
102	Unfolding quantum computer readout noise. Npj Quantum Information, 2020, 6, .	2.8	65
103	Measurements of top-quark pair spin correlations in the \$\$emu \$\$ channel at \$\$sqrt{s} = 13\$\$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	22
104	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
105	Higgs boson production cross-section measurements and their EFT interpretation in the \$\$4ell \$\$ decay channel at \$\$sqrt{s}=\$\$13ÂTeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	41
106	Supervised jet clustering with graph neural networks for Lorentz boosted bosons. Physical Review D, 2020, 102, .	1.6	23
107	Neural resampler for MonteÂCarlo reweighting with preserved uncertainties. Physical Review D, 2020, 102, .	1.6	23
108	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

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109	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fbâ^'1 of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
110	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
111	Measurement of the Z(→ ℓ+ℓ⒒)γ production cross-section in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	he 1.6	9
112	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at \$\$sqrt{s}=8\$\$ and 13ÂTeV. European Physical Journal C, 2020, 80, 1.	1.4	5
113	Transverse momentum and process dependent azimuthal anisotropies in \$\$sqrt{s_{mathrm {NN}}=8.16\$\$ÂTeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	12
114	Measurement of J/Ï^ production in association with a W± 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 fbâ^'1 of pp collisions at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	68
116	The motivation and status of two-body resonance decays after the LHC Run 2 and beyond. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
117	Search for \$\$ toverline{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
118	Reconstruction and identification of boosted di-Ï" 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
119	Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 090501.	1.4	133
120	A quantum algorithm to efficiently sample from interfering binary trees. Quantum Science and Technology, 2020, 5, 035004.	2.6	5
121	Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.	1.4	93
122	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in \$\$sqrt{s}=13\$\$Â\$\$ext {TeV}\$\$ pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	124
123	Search for top squarks in events with a Higgs or Z boson using 139Âfb\$\$^{-1}\$\$ of pp collision data at \$\$sqrt{s}=13\$\$ATeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
124	Evidence for \$\$tar{t}tar{t}\$\$ production in the multilepton final state in proton–proton collisions at \$\$sqrt{s}=13\$\$Â\$\$ext {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	30
125	Search for heavy diboson resonances in semileptonic final states in pp collisions at \$\$sqrt{s}=13\$\$ÂTeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	29
126	Search for light long-lived neutral particles produced in pp collisions at \$\$sqrt{s} = 13~mathrm {TeV}\$\$ and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	21

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127	Search for a scalar partner of the top quark in the all-hadronic \$\$t{ar{t}}\$\$ plus missing transverse momentum final state at \$\$sqrt{s}=13\$\$ÂTeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	36
128	A guide for deploying Deep Learning in LHC searches: How to achieve optimality and account for uncertainty. SciPost Physics, 2020, 8, .	1.5	29
129	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
130	Determination of jet calibration and energy resolution in proton–proton collisions at \$\$sqrt{s} = 8~hbox {TeV}\$\$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
131	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
132	Investigating the topology dependence of quark and gluon jets. Journal of High Energy Physics, 2019, 2019, 1.	1.6	19
133	Search for long-lived neutral particles in pp collisions at \$\${sqrt{s}} = 13~{ext { TeV}}\$\$ that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	1.4	28
134	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at \$\$ sqrt{mathrm{s}} \$\$ = 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	21
135	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
136	Measurement of \$\$W^{pm }Z\$\$ production cross sections and gauge boson polarisation in pp collisions at \$\$sqrt{s} = 13~ext {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	41
137	Extracting the Top-Quark Width from Nonresonant Production. Physical Review Letters, 2019, 122, 231803.	2.9	6
138	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
139	Search for scalar resonances decaying into μ+μâ^' 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
140	Search for diboson resonances in hadronic final states in 139 fbâ^'1 of pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	20
141	Search for excited electrons singly produced in proton–proton collisions at \$\$sqrt{s} ~=~13~ext {Te}ext {V}\$\$ with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, .	1.4	4
142	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13Â\$\$ext {TeV}\$\$. European Physical Journal C, 2019, 79, .	1.4	21
143	Measurement of the cross-section and charge asymmetry of W bosons produced in proton–proton collisions at \$\$sqrt{s}=8~ext {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
144	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13

#	Article	IF	CITATIONS
145	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton–proton collision data at \$\$sqrt{s} = 13\$\$Â\$\$ext {TeV}\$\$. European Physical Journal C, 2019, 79, 1.	1.4	77
146	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
147	Searches for scalar leptoquarks and differential cross-section measurements in dilepton–dijet events in proton–proton collisions at a centre-of-mass energy of \$\$varvec{sqrt{s}}\$\$ = 13ÂTeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
148	Extending the search for new resonances with machine learning. Physical Review D, 2019, 99, .	1.6	94
149	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
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156	altimg="si1.gif" overflow="scroll"> <mml:mi>h</mml:mi> <mml:mo stretchy="false">â†'<mml:mi>c</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>c</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â⁻</mml:mo </mml:mrow><mml:mi>î³</mml:mi> at LHC.</mml:mover </mml:mo 	1.5	7
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