Jiangyong Jia

List of Publications by Year in descending order

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138 papers	5,160 citations	136950 32 h-index	98798 67 g-index
144 all docs	144 docs citations	144 times ranked	6663 citing authors

#	Article	IF	Citations
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
2	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
3	Measurements of Higher Order Flow Harmonics in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow></mml:msub></mml:msqrt></mml:math>=200 GeV.	7.8	249
4	Quadrupole Anisotropy in Dihadron Azimuthal Correlations in Central<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi><mml:mo mathvariant="bold">+</mml:mo><mml:mi>Au</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow></mml:msub></mml:msqrt></mml:math>=200 GeV. Physical Review Let	7.8	246
5	(Anti)Protons in Central<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:mrow></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow></mml:mrow></mml:msub></mml:msqrt></mml:math>=	7.8	143
6	Measurements of Elliptic and Triangular Flow in High-Multiplicity<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:mi>	7.8	140
7	Search for the chiral magnetic effect with isobar collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow></mml:mrow></mml:msub></mml:msqrt></mml:mrow><mml:m GeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2022, 105, .	2.9	98
8	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $$sqrt{s}=13$$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	82
9	Onset of Suppression Studied in Cu+Cu Collisions at sNN=22.4, 62.4, and 200 GeV. Physical Review Letters, 2008, 101, 162301.	7.8	70
10	Transverse-energy distributions at midrapidity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>p</mml:mi> xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi><mml:m and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Au</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi><mml:m at<mml:math xm. Physical Review C, 2014, 89, .	2.9	67
11	Revealing long-range multiparticle collectivity in small collision systems via subevent cumulants. Physical Review C, 2017, 96, .	2.9	64
12	Jet energy scale and resolution measured in protonâ€“proton collisions at $$sqrt{s}=13$$ÂTeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	64
13	Saturation of Azimuthal Anisotropy in Au+Au Collisions at sNN=62â€“200â€‰â€‰GeV. Physical Review Letters, 2005, 94, 232302.	7.8	57
14	Cold-Nuclear-Matter Effects on Heavy-Quark Production at Forward and Backward Rapidity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:mrow></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:msqrt></mml:mrow><mml:m Physical Review Letters, 2014, 112, 252301.	7.8	56
15	Initial eccentricity fluctuations and their relation to higher-order flow harmonics. Physical Review C, 2011, 83, .	2.9	52
16	Event-shape fluctuations and flow correlations in ultra-relativistic heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 124003.	3.6	50
17	Forward-backward eccentricity and participant-plane angle fluctuations and their influences on longitudinal dynamics of collective flow. Physical Review C, 2014, 90, .	2.9	49
18	Centrality-Dependent Modification of Jet-Production Rates in Deuteron-Gold Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:mrow><mml:mrow><mml:m Physical Review Letters, 2016, 116, 122301.	7.8	48

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19	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.	4.7	46
20	Evidence of Quadrupole and Octupole Deformations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Zr</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>96</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>+</mml:mo><mml:mmultiscripts><mml:mrow><mml:mi>Measurements of Jet Quenching with Semi-Inclusive Hadron+Jet Distributions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Au</mml:mi></mml:mrow><mml:mtext></mml:mtext><mml:mo>+</mml:mo><mml:mtext>	7.8	45
21	collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><m	2.9	44
22	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.	3.9	41
23	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 protonâ€“proton collisions at $$sqrt{s} = 13,$$TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	40
24	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.	3.9	38
25	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.	4.7	37
26	Impact of Nuclear Deformation on Relativistic Heavy-Ion Collisions: Assessing Consistency in Nuclear Physics across Energy Scales. Physical Review Letters, 2021, 127, 242301.	7.8	37
27	Pseudorapidity Dependence of Particle Production and Elliptic Flow in Asymmetric Nuclear Collisions of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>Al</mml:mi></mml:mrow></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>Au</mml:mi></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi>	7.8	36
28	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
29	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $$ sqrt{s} $$ = 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	36
30	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.	3.9	36
31	Shape of atomic nuclei in heavy ion collisions. Physical Review C, 2022, 105, .	2.9	35
32	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.	3.9	34
33	Dissecting the role of initial collision geometry for jet quenching observables in relativistic heavy ion collisions. Physical Review C, 2010, 82, .	2.9	33
34	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4$$ell $$ decay channel at $$sqrt{s}$$ = 13 TeV. European Physical Journal C, 2020, 80, 1.	3.9	32
35	Importance of non-flow in mixed-harmonic multi-particle correlations in small collision systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 201-206.	4.1	30
36	Evidence for $$tar{t}tar{t}$$ production in the multilepton final state in protonâ€“proton collisions at $$sqrt{s}=13$$Â$$ext {TeV}$$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	30

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37	Elucidating the event-by-event flow fluctuations in heavy-ion collisions via the event-shape selection technique. Physical Review C, 2014, 90, .	2.9	29
38	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.	3.9	29
39	Beam Energy Dependence of the Viscous Damping of Anisotropic Flow in Relativistic Heavy Ion Collisions. Physical Review Letters, 2014, 112, .	7.8	28
40	Search for charginoâ€“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.	3.9	28
41	Probing triaxial deformation of atomic nuclei in high-energy heavy ion collisions. Physical Review C, 2022, 105, .	2.9	28
42	Centrality fluctuations in heavy-ion collisions. Physical Review C, 2018, 98, .	2.9	27
43	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.	4.7	27
44	Method for studying the rapidity fluctuation and de-correlation of harmonic flow in heavy-ion collisions. Physical Review C, 2014, 90, .	2.9	26
45	Forward-backward multiplicity fluctuation and longitudinal harmonics in high-energy nuclear collisions. Physical Review C, 2016, 93, .	2.9	26
46	Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2019, 123, 022301.	7.8	26
47	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.	3.9	26
48	A method for studying initial geometry fluctuations via event plane correlations in heavy ion collisions. European Physical Journal C, 2013, 73, 1.	3.9	25
49	Measurement of Event-Plane Correlations in 200A GeV Pb Collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	1.5	25
50	Disentangling flow and nonflow correlations via Bayesian unfolding of the event-by-event distributions of harmonic coefficients in ultrarelativistic heavy-ion collisions. Physical Review C, 2013, 88, .	2.9	25
51	Multiparticle azimuthal cumulants in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi><mml:mo>+</mml:mo><mml:mi>Pb</mml:mi> collisions from a multiphase transport model. Physical Review C, 2018, 98, .	2.9	25
52	Measurements of directed, elliptic, and triangular flow in CuÂ+ÂAu collisions at sNN=200 GeV. Physical Review C, 2016, 94, .	2.9	24
53	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
54	Azimuthal anisotropy in Cu+Au collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi mathvariant="italic">NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml:mn></mml:mrow></mml:m GeV. Physical Review C, 2018, 98, .	2.9	23

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55	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.	4.7	23
56	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
57	Transport reduction by current profile control in the reversedâ€field pinch. Physics of Plasmas, 1995, 2, 2440-2446.	1.9	22
58	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.	3.9	22
59	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.	4.7	22
60	Probing nuclear quadrupole deformation from correlation of elliptic flow and transverse momentum in heavy ion collisions. Physical Review C, 2022, 105, .	2.9	22
61	Correlations between jet-quenching observables at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2011, 84, .	2.9	21
62	Azimuthal anisotropy: Transition from hydrodynamic flow to jet suppression. Physical Review C, 2010, 82, .	2.9	20
63	Azimuthal-Angle Dependence of Charged-Pion-Interferometry Measurements with Respect to Second- and Third-Order Event Planes inAu+AuCollisions atsNN=200â€‰â€‰GeV. Physical Review Letters, 2014, 112, 222301.	7.8	20
64	Disentangling contributions to small-system collectivity via scans of light nucleus-nucleus collisions. Physical Review C, 2020, 101, .	2.9	20
65	Systematic study of azimuthal anisotropy in CuÂ+ÂCu and AuÂ+ÂAu collisions atsNN=62.4and 200ÂGeV. Physical Review C, 2015, 92, .	2.9	19
66	Collision-energy dependence of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>p</mml:mi><mml:mi>t</mml:mi></mml:msub></mml:ma correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	19
67	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.	4.7	19
68	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	4.7	18
69	Study on initial geometry fluctuations via participant plane correlations in heavy ion collisions: part II. European Physical Journal C, 2013, 73, 1.	3.9	18
70	Search for dark matter in association with an energetic photon in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
71	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in protonâ€“proton collisions at $$sqrt{s}$$ = 13ÂTeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	18
72	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.	4.7	18

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73	Accessing the shape of atomic nuclei with relativistic collisions of isobars. Physical Review C, 2021, 104, .	2.9	18
74	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	3.9	17
75	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.	3.9	17
76	Observables for longitudinal flow correlations in heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 075106.	3.6	16
77	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13ÂTeV protonâ€“proton collisions. European Physical Journal C, 2021, 81, 1.	3.9	15
78	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
79	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.	3.9	14
80	Investigation of experimental observables in search of the chiral magnetic effect in heavy-ion collisions in the STAR experiment *. Chinese Physics C, 2022, 46, 014101.	3.7	14
81	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.	4.7	14
82	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, .	3.9	14
83	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $$sqrt{s}=13$$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	13
84	Glauber-based evaluations of the odd moments of the initial eccentricity relative to the even order participant planes. Physical Review C, 2011, 84, .	2.9	12
85	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in protonâ€“proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	3.9	12
86	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.	4.7	12
87	Measurements of the inclusive and differential production cross sections of a top-quarkâ€“antiquark pair in association with a ZÂboson at $$sqrt{s} = 13$$ÂTeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	12
88	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
89	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
90	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.	3.9	12

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91	Limitation of multiparticle correlations for studying the event-by-event distribution of harmonic flow in heavy-ion collisions. Physical Review C, 2015, 92, .	2.9	11
92	Influence of initial-state momentum anisotropy on the final-state collectivity in small collision systems. Physical Review C, 2019, 100, .	2.9	10
93	Determination of the parton distribution functions of the proton from ATLAS measurements of differential WÂ± and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
94	Non-flow effects in correlation between harmonic flow and transverse momentum in nuclear collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136702.	4.1	10
95	Centrality fluctuations and decorrelations in heavy-ion collisions in a Glauber model. Physical Review Research, 2020, 2, .	3.6	10
96	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.	4.7	10
97	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.	4.7	10
98	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
99	Influence of the nucleonâ€“nucleon collision geometry on the determination of the nuclear modification factor for nucleonâ€“nucleus and nucleusâ€“nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 320-325.	4.1	9
100	Non-flow effects in three-particle mixed-harmonic azimuthal correlations in small collision systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 138-141.	4.1	9
101	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.	3.9	9
102	Impact of event activity variable on the ratio observables in isobar collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137312.	4.1	9
103	Constraints on models for the initial collision geometry in ultrarelativistic heavy ion collisions. Physical Review C, 2010, 81, .	2.9	8
104	Measurements of W+Wâ^'+ â‰¥ 1 jet production cross-sections in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
105	Azimuthal anisotropy measurements of strange and multistrange hadrons in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">U</mml:mi><mml:mo>+</mml:mo><mml:mi mathvariant="normal">U</mml:mi></mml:mrow></mml:math> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>	2.9	8
106	Physical Review C, 2021, 103, . Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
107	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.	4.7	8
108	Longitudinal eccentricity decorrelations in heavy-ion collisions. Physical Review Research, 2020, 2, .	3.6	8

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109	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.	3.9	8
110	Beam energy dependence of rapidity-even dipolar flow in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 26-32.	4.1	7
111	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $$sqrt{s} = 13hbox { TeV}$$ protonâ€“proton collision data. European Physical Journal C, 2021, 81, 1.	3.9	7
112	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
113	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, .	3.9	7
114	Medium-induced transverse momentum broadening via forward dijet correlations. Physical Review D, 2020, 101, .	4.7	6
115	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
116	Performance of the ATLAS Level-1 topological trigger in RunÂ2. European Physical Journal C, 2022, 82, 1.	3.9	6
117	Away-Side Asymmetry of Jet Correlation Relative to the Reaction Plane: A Sensitive Probe for Jet In-Medium Modifications. Physical Review Letters, 2009, 103, 022301.	7.8	5
118	Influence of quenched jets on di-hadron correlations. Physical Review C, 2009, 79, .	2.9	5
119	How to make sense of the jet correlations results at RHIC?. European Physical Journal C, 2009, 62, 255-264.	3.9	5
120	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.	4.7	5
121	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	5
122	The ATLAS inner detector trigger performance in pp collisions at 13ÂTeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	3.9	5
123	Robustness of principal component analysis of harmonic flow in heavy ion collisions. Physical Review C, 2020, 102, .	2.9	4
124	Measurement of hadronic event shapes in high-pT multijet final states at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
125	Search for top squarks in events with a Higgs or Z boson using 139Âfb$$^{-1}$$ of pp collision data at $$sqrt{s}=13$$ÂTeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	4
126	Higher-order transverse momentum fluctuations in heavy-ion collisions. Physical Review C, 2022, 105, .	2.9	4

#	Article	IF	Citations
127	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.	3.9	4
128	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
129	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $$ sqrt{s} $$ = 13 TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
130	Heavy ion collisions at collider energiesâ€"Insights from PHENIX. Pramana - Journal of Physics, 2003, 60, 639-650.	1.8	3
131	Ï€0â€“h CORRELATION IN Cu+Cu AT $sqrt{^SNN} = 200 {m GeV}$. International Journal of Modern Physics E, 2007, 16, 2000-2004.	1.0	3
132	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.	3.9	3
133	Measurement of b-quark fragmentation properties in jets using the decay BÂ± â†' J/ÏˆKÂ± in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
134	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.	4.7	2
135	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, .	3.9	2
136	Direct photons in ATLAS@LHC. Indian Journal of Physics, 2010, 84, 1709-1713.	1.8	0
137	PHENIX study of dihadron correlation in Au+Au collision at % MathType!MTEF!2!1!+- % feaagaart1ev2aaatCvAUfeBSjuyZL2yd9gzLbvyNv2CaerbuLwBLn % hiov2DGi1BTfMBaeXatLxBI9gBaerbd9wDYLwzYbItLDharqqtubsr % 4rNCHbGeaGqiVu0Je9sqqrpepC0xbbL8F4rqqrFfpeea0xe9Lq-Jc9 %	1.8	0
138	PHENIX study of dihadron correlation in Au+Au collision at % MathType!MTEF!2!1!+- % feaagaart1ev2aaatCvAUfeBSjuyZL2yd9gzLbvyNv2CaerbuLwBLn % hiov2DGi1BTfMBaeXatLxBI9gBaerbd9wDYLwzYbItLDharqqtubsr % 4rNCHbGeaGqiVu0Je9sqqrpepC0xbbL8F4rqqrFfpeea0xe9Lq-Jc9 % vqaqpepm0xbba9pwe9Q8fs0-yqaqpepae9pg0FirpepeKkFr0xfr-x % fr-xb9adbaqaaeGaciGaaiaabeqaamaabaabaaGcbaWaaOaaaeaaie % GacaWFZbWaaSbaaSqaaiaad6eacaWGob	1.8	0