

Steven D Worm

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4246572/publications.pdf>

Version: 2024-02-01

927
papers

57,772
citations

1463

107
h-index

2895

190
g-index

954
all docs

954
docs citations

954
times ranked

13100
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61. Combined Measurement of the Higgs Boson Mass in \sqrt{s} Collisions at \sqrt{s} TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	4.1	6,177
2	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	7.8	1,062
3	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	3.9	541
4	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.1	520
5	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	1.2	508
6	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
7	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
8	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
9	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	4.7	470
10	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
11	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, .	2.9	455
12	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	1.2	418
13	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P06005-P06005. Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in \sqrt{s} Collisions at \sqrt{s} TeV. Physical Review Letters, 2010, 105, 022002.	1.2	410
14	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	7.8	400
15	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	27.8	390
16	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
17	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	369
18	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	4.1	354

#	ARTICLE	IF	CITATIONS
19	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
20	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
21	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
22	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
23	J/ψ and $\Upsilon(2S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 79, 572-577.	7.8	305
24	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
25	Observation of the Bc Meson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 2432-2437.	7.8	285
26	Measurement of the B_c Meson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 2432-2437. Measurement of the B_c Meson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 2432-2437. $\mathcal{B}(B_c \rightarrow \mu^+ \mu^-)$ Branching Fraction and Search for B_c Meson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	282
27	Study of the Mass and Spin Parity of the Higgs Boson Candidate via Its Decays to $\mu^+ \mu^-$ and B Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
28	Simplified models for dark matter searches at the LHC. Physics of the Dark Universe, 2015, 9-10, 8-23.	4.9	250
29	Double parton scattering in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1997, 56, 3811-3832.	4.7	246
30	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241
31	Production of J/ψ Mesons from Υ Meson Decays in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 79, 578-583.	7.8	234
32	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	4.7	230
33	Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
34	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	1.2	216
35	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
36	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200

#	ARTICLE	IF	CITATIONS
37	Measurement of f_L and $\tilde{\Gamma}^{(2S)}$ Polarization in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2000, 85, 2886-2891.	7.8	196
38	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	4.1	193
39	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s}=8\text{TeV}$. European Physical Journal C, 2015, 75, 542.	3.9	191
40	Observation of B_c mesons in pp collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 1998, 58, .	4.7	189
41	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Physical Review C, 2013, 87, .	2.9	185
42	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV . Physical Review D, 2015, 92, .	4.7	185
43	Measurement of the Inelastic Proton-Proton Cross Section at $\sqrt{s}=13\text{TeV}$ with the ATLAS Detector at the LHC. Physical Review Letters, 2016, 117, 182002.	7.8	185
44	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	181
45	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{TeV}$. European Physical Journal C, 2018, 78, 903.	3.9	181
46	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. European Physical Journal C, 2014, 74, 3149.	3.9	179
47	Evidence for Collective Multiparticle Correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. Physical Review Letters, 2015, 115, 012301.	7.8	177
48			

#	ARTICLE	IF	CITATIONS
55	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	167
56	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	4.7	161
57	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
58	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
59	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	7.8	153
60	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
61	Search for New Gauge Bosons Decaying into Dileptons in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 2192-2197.	7.8	147
62	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
63	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
64	Precision measurement and interpretation of inclusive W^+W^- production. European Physical Journal C, 2017, 77, 367.	3.9	145
65	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	4.1	144
66	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. Physical Review D, 2002, 65, .	4.7	142
67	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	1.2	140
68	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. Physical Review C, 2015, 92, .	2.9	140
69	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
70	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 172302.	7.8	139
71	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	136
72			

#	ARTICLE	IF	CITATIONS
73	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
74	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	4.0	133
75	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 199.	3.9	132
76	Transverse Momentum and Total Cross Section of e^+e^- Pairs in the Z-Boson Region from pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 845-850.	7.8	131
77	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	130
78	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	130
79	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
80	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.	4.1	129
81	Search for Flavor-Changing Neutral Current Decays of the Top Quark in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 80, 2525-2530.	7.8	127
82	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	7.8	126
83	Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. Physics of the Dark Universe, 2020, 27, 100371.	4.9	126
84	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
85	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	3.9	125
86	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.	3.9	124
87	Evidence for the 125 GeV Higgs boson decaying to a pair of \tilde{l}_τ leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
88	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
89	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	122
90	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	4.1	121

#	ARTICLE	IF	CITATIONS
91	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
92	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	4.1	120
93	Diffraction Dijets with a Leading Antiproton in $\sqrt{s} = 1800$ GeV. Physical Review Letters, 2000, 84, 5043-5048.	7.8	119
94	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. Journal of Instrumentation, 2013, 8, P11002-P11002.	1.2	119
95	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	118
96	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	118
97	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
98	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
99	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
100	Measurement of Double Parton Scattering in $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 584-589.	7.8	114
101	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	114
102	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 113, 022301.	2.9	113
103	Search for a new particle decaying to dijets at CDF. Physical Review D, 1997, 55, R5263-R5268.	4.1	112
104	Production of $\eta(1S)$ Mesons from η Decays in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 2094-2099.	7.8	111
105	Inclusive search for a vector-like T quark with charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	4.1	110
106	Search for new particles decaying to dijets at CDF. Physical Review D, 1997, 55, R5263-R5268.	4.7	108
107	Observation of the Associated Production of a Single Top Quark and a Higgs Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	4.7	108
108	Search for a new particle decaying to dijets at CDF. Physical Review D, 1997, 55, R5263-R5268.	7.8	108

#	ARTICLE	IF	CITATIONS
109	Search for heavy resonances decaying into $W\bar{W}$ in the $e^+e^- \rightarrow e^+e^- \gamma^*/Z \rightarrow W^+W^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
110	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 022301.		
111	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
112	Measurement of $\sin^2 2\beta$ from $B \rightarrow J/\psi K_S$ with the CDF detector. Physical Review D, 2000, 61, .	4.7	105
113	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102
114	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma^*/Z \rightarrow Z\gamma^*/Z \rightarrow ZZ$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101
115	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
116	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
117			

#	ARTICLE	IF	CITATIONS
127	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	93
128	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. <i>Physical Review Letters</i> , 1997, 79, 357-362.	7.8	92
129	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	92
130	Performance of τ , q-lepton reconstruction and identification in CMS. <i>Journal of Instrumentation</i> , 2012, 7, P01001-P01001.	1.2	91
131	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	4.1	90
132	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 032005.	4.7	90
133	Measurement of the cross section for the production of a Z boson and a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	4.1	89
134	Measurement of the cross section for the production of a Z boson and a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	4.7	88
135	Measurement of the cross section for the production of a Z boson and a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	4.1	88
136	Measurement of the cross section for the production of a Z boson and a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	4.1	88
137	Measurement of the cross section for the production of a Z boson and a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	4.1	88
138	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 147.	3.9	88
139	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 560-582.	4.1	87
140	Angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ from pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 424-448.	4.1	87
141	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017, 77, 195.	3.9	87
142	Measurement of multi-particle azimuthal correlations in pp, pPb and low-multiplicity PbPb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 428.	3.9	86
143	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	85
144	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. <i>Science</i> , 2012, 338, 1569-1575.	12.6	85

#	ARTICLE	IF	CITATIONS
145	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
146	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
147	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
148	Reconstruction and identification of \tilde{l} , lepton decays to hadrons and $\hat{1}/2$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
149	Observation of Diffractive W -Boson Production at the Fermilab Tevatron. Physical Review Letters, 1997, 78, 2698-2703.	7.8	84
150	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
151	Study of W boson production in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	83
152	Measurement of the muon charge asymmetry in inclusive W production at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 115, 011801.	4.7	83
153	Measurement of the differential cross section and charge asymmetry for inclusive W production at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 115, 011801.	3.9	83
154	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.	7.8	82
155	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
156	Measurement of the Top Quark Mass. Physical Review Letters, 1998, 80, 2767-2772.	7.8	81
157	J/ψ and $\tilde{\chi}(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
158	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	81
159	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
160	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
161	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81
162	Measurement of the Top Quark Mass and $t\bar{t}$ Production Cross Section from Dilepton Events at the Collider Detector at Fermilab. Physical Review Letters, 1998, 80, 2779-2784.	7.8	80

#	ARTICLE	IF	CITATIONS
163	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	7.8	80
164	Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	7.8	80
165	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80
166	Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	3.9	80
167	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	4.1	79
168	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.	3.9	79
169	Measurement of the Lepton Charge Asymmetry in W-Boson Decays Produced in pp Collisions. Physical Review Letters, 1998, 81, 5754-5759.	7.8	78
170	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
171	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
172	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	4.1	77
173	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, 2636-2641.	3.9	77
174	Inclusive and differential measurements of the top-charge asymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	4.1	76
175	Search for Top-Quark Partners with Charge Parity in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	7.8	76
176	Angular analysis of $B^0 \rightarrow \bar{d} \ell^+ \ell^- K^+ \ell^-$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	76
177	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 2636-2641.	7.8	75
178	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
179	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
180	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75

#	ARTICLE	IF	CITATIONS
181	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171. Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs $p p$	3.9	75
182	Collisions at $\sqrt{s} = 7$ TeV $p p$	7.8	74
183	Measurement of the $\sigma(\text{pp} \rightarrow W^+ W^-)$ cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
184	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \bar{\psi} \psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
185	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, ..	4.7	73
186	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251. Search for vectorlike top quarks $t t$	3.9	73
187	in proton-proton collisions at $\sqrt{s} = 8$ TeV $p p$		

#	ARTICLE	IF	CITATIONS
199	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	69
200	Measurement of $b\bar{b}$ -production correlations, $B\bar{B}$ -mixing, and a limit on μ Binpp \bar{A}^- collisions at $s=1.8$ TeV. Physical Review D, 1997, 55, 2546-2558.	4.7	68
201	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
202	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	3.9	68
203	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	68
204	Search for heavy Majorana neutrinos in $\sqrt{s} = 7$ TeV proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	68
205	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	3.9	68
206	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.	4.7	68
207	Search for a standard-model-like Higgs boson in the $\mu\mu$ channel and $\mu\mu$ + jets events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.	4.1	67
208	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	67
209	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
210	First Observation of the All-Hadronic Decay of $t\bar{t}$ Pairs. Physical Review Letters, 1997, 79, 1992-1997.	7.8	65
211	Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV. Physical Review D, 2011, 84, .	4.7	65
212	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
213	Search for microscopic black hole signatures at the Large Hadron Collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.	4.1	65
214	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	65
215	Observation of a New Σ^0 Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
216	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7, \text{TeV}$. European Physical Journal C, 2014, 74, 3129.	3.9	65

#	ARTICLE	IF	CITATIONS
217	Comparison of the isolated direct photon cross sections in pp collisions at $\sqrt{s} = 1.8$ TeV and $\sqrt{s} = 0.63$ TeV. Physical Review D, 2002, 65, .	4.7	64
218	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2283.	3.9	64
219	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	4.7	64
220	Evidence for the H \rightarrow b \bar{b} decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
221	Jet energy scale and resolution measured in proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	64
222	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	4.7	64
223	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	4.7	64
224	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	4.7	64
225	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	4.7	64
226	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
227	Search for the decays $B_d \rightarrow \tau^+ \tau^-$ and $B_s \rightarrow \tau^+ \tau^-$ in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 57, 13811-13816.	4.1	63
228	Measurement of the isolated prompt photon production cross section in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 57, 13811-13816.	4.1	63
229	Measurement of the pseudorapidity and centrality dependence of the transverse energy density in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	62
230	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous WW $\tilde{\Gamma}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
231	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 13.	3.9	62
232	Measurement of the production cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous WW $\tilde{\Gamma}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
233	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
234	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61

#	ARTICLE	IF	CITATIONS
235	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
236	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 229-249.	4.7	61
237	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	3.9	61
238	Search for resonant production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 502.	4.7	61
239	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s} = 5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
240	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61
241	Dijet Azimuthal Decorrelations in Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 106, 132002.	7.8	60
242	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	3.9	60
243	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	7.8	60
244	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	3.9	60
245	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	1.2	59
246	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	1.2	59
247	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
248	A search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
249	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	3.9	59
250	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow t\bar{t}, \tau^{\pm}\nu_{\tau}$, in the t, τ +jets and t, τ +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.	4.7	59
251	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
252	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58

#	ARTICLE	IF	CITATIONS
253	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
254	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58
255	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ s NN = 5.02 TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
256	Measurement of the top quark mass with the collider detector at Fermilab. Physical Review D, 2001, 63, .	4.7	57

257

#	ARTICLE	IF	CITATIONS
271	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	4.7	55
272	Search for pair production of Higgs bosons in the $\overline{b}\overline{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	55
273	Dijet Production by Double Pomeron Exchange at the Fermilab Tevatron. Physical Review Letters, 2000, 85, 4215-4220.	7.8	54
274	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 201804.	7.8	54
275	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 201370.	4.1	54
276	Measurement of the $\overline{b}\overline{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.		

#	ARTICLE	IF	CITATIONS
289	Measurement of the top quark mass in the $t\bar{t}$ channel. <i>Physical Review Letters</i> , 2009, 102, 191802.	4.1	52
290	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 154.	3.9	52
291	Search for gluinos and squarks at the Fermilab Tevatron collider. <i>Physical Review D</i> , 1997, 56, R1357-R1362.	4.7	51
292	Search for Neutral Supersymmetric Higgs Bosons in $\sqrt{s} = 1.8$ TeV pp Collisions. <i>Physical Review Letters</i> , 2001, 86, 4472-4478.	7.8	51
293	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. <i>Physical Review D</i> , 2011, 84, .	4.7	51
294	Search for exclusive or semi-exclusive $t\bar{t}$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	51
295	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $t\bar{t}$ decay using multilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014, 90, .	4.7	51
296	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	51
297	Search for minimal supersymmetric standard model Higgs Bosons H/A and for a $Z\prime$ boson in the $b\bar{b}$, $\tau\bar{\tau}$, final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 585.	3.9	51
298	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2017, 77, 379.	3.9	51
299	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 997.	3.9	51
300	Measurement of the Helicity of W Bosons in Top Quark Decays. <i>Physical Review Letters</i> , 2000, 84, 216-221.	7.8	50
301	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2010, 70, 555-572.	3.9	50
302	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ \tau^-$ Decays in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101802.	3.9	50
303	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	50
304	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 898.	3.9	50
305	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 401.	3.9	50
306	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. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	50

#	ARTICLE	IF	CITATIONS
307	Search for Long-Lived Charged Massive Particles in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2003, 90, 131801.	7.8	49
308	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s}=0.9$ and 2.36 TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	7.8	49
309	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
310	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	7.8	49
311	Search for leptonic decays of W bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
312	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s}=8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
313	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 99-104.	4.7	49
314	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.	4.7	49
315	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	4.7	49
316	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
317	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb $^{-1}$ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	48
318	Search for First Generation Leptoquark Pair Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 79, 4327-4332.	7.8	47
319	Searches for New Physics in Diphoton Events in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 1791-1796.	7.8	47
320	Measurement of B-hadron lifetimes using J/ψ final states at CDF. Physical Review D, 1998, 57, 5382-5401.	4.7	47
321	Search for Supersymmetry in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.	7.8	47
322	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
323	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 221801.	4.1	47
324	Search for Top Squarks in R -Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets. Physical Review Letters, 2013, 111, 221801.	7.8	47

#	ARTICLE	IF	CITATIONS
325	Measurement of Prompt τ Production in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 021802.	7.8	47
326	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV . <i>Physical Review D</i> , 2016, 94, .	4.7	47
327	Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 361.	3.9	47
328	Measurement of the top quark mass in the $t \rightarrow t \gamma$. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	47
329	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	46
330	Measurement of the Polarization of W Bosons with Large Transverse Momenta in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 021802.	7.8	46
331	Search for narrow resonances and quantum black holes in inclusive and b -tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	46
332	Measurement of the ratio $R_{\tau B}$ in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 021802.		

#	ARTICLE	IF	CITATIONS
343	Search for heavy Majorana neutrinos in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	45
344	Angular analysis and branching fraction measurement of the decay $B \rightarrow K^* \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	45
345	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.	4.1	45
346	Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	7.8	45
347	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	7.8	45
348	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	4.1	45
349	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau^+ \tau^-$, leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	45
350	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
351	Search for single-top-quark production in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, .	4.7	44
352	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
353	Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	7.8	44
354	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	7.8	44
355	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	4.7	44
356	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	7.8	44
357	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 151.	3.9	44
358	Search for lepton flavour violating decays of the Higgs boson to $e \bar{\nu}_\mu$ and $e \bar{\nu}_\tau$ in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	44
359	Study of Z boson production in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 36-57.	4.1	44
360	Observation of $b \rightarrow s \gamma$ at the Fermilab proton-antiproton collider. Physical Review D, 1997, 55, 1142-1152.	4.7	43

#	ARTICLE	IF	CITATIONS
361	Search for the Flavor-Changing Neutral Current Decays $B \rightarrow K^* K^0$. Physical Review Letters, 1999, 83, 3378-3383.	7.8	43
362	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	7.8	43
363	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
364	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
365	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	4.7	43
366	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	3.9	43
367	Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in pp collisions with the ATLAS detector. Physical Review D, 2016, 94, .	4.7	43
368	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	43
369	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 102-124.	4.1	43
370	Measurement of the $t\bar{t}$ -Production Cross Section in pp -Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 80, 2773-2778.	7.8	42
371	Searches for new physics in diphoton events in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1999, 59, .	4.7	42
372	Observation of Diffractive b-Quark Production at the Fermilab Tevatron. Physical Review Letters, 2000, 84, 232-237.	7.8	42
373	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
374	Study of W boson production in pPb collisions at $\sqrt{s} = 8.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 565-586.	4.1	42
375	Evidence for exclusive $t\bar{t} + W + W$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
376	Performance of top-quark and W-boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.	3.9	42
377	Measurement of the Strong Coupling Constant from Inclusive Jet Production at the Tevatron p Collider. Physical Review Letters, 2002, 88, 042001.	7.8	41
378	Limits on Extra Dimensions and New Particle Production in the Exclusive Photon and Missing Energy Signature in pp -Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 89, 281801.	7.8	41

#	ARTICLE	IF	CITATIONS
379	Search for Quark Compositeness with the Dijet Centrality Ratio in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	41
380	Search for Stopped Gluinos in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	41
381	Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	41
382	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
383	Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	41
384	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87.	4.7	41
385	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87.	4.7	41
386	Measurement of the $t\bar{t}\hat{A}$ production cross section in the $e\bar{e}\gamma$ channel in proton-proton collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
387	Measurement of the $t\bar{t}\hat{A}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
388	Measurement of the $t\bar{t}\hat{Z}$ and $t\bar{t}\hat{W}$ production cross sections in multilepton final states using 3.2 fb of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41
389	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.	3.9	41
390	Recommendations on presenting LHC searches for missing transverse energy signals using simplified s -channel models of dark matter. Physics of the Dark Universe, 2020, 27, 100365.	4.9	41
391	Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	41
392	Evidence for $W+W\hat{A}$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1997, 78, 4536-4540.	7.8	40
393	Search for same-sign top-quark pair production at $\sqrt{s}=7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
394	Measurement of four-jet production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2014, 89, 1.	4.7	40
395	Interplay and characterization of Dark Matter searches at colliders and in direct detection experiments. Physics of the Dark Universe, 2015, 9-10, 51-58.	4.9	40
396	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b -jets in 36 fb of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40

#	ARTICLE	IF	CITATIONS
397	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
398	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma Z$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	40
399	Measurement of the $B^0 \rightarrow B^+ \pi^-$ Oscillation Frequency Using $B^0 \rightarrow B^+ \pi^-$ Meson Charge-Flavor Correlations in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 80, 2057-2062.	7.8	39
400	Double Diffraction Dissociation at the Fermilab Tevatron Collider. Physical Review Letters, 2001, 87, 141802.	7.8	39
401	Measurement of W^+Z and Z^0Z production in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	4.1	39
402	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
403	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
404	Measurement of the $Z^0 b\bar{b}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
405	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
406	Measurement of the ZZ production cross section and search for anomalous couplings in $e^+e^- \rightarrow e^+e^- Z Z$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
407	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
408	Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 647-665.	4.1	39
409	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	39
410	Search for New Particles Decaying into $B^0 \rightarrow B^+ \pi^-$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 85, 2062-2067.	7.8	38
411	Momentum distribution of charged particles in jets in dijet events in pp collisions at $\sqrt{s}=1.8$ TeV and comparisons to perturbative QCD predictions. Physical Review D, 2003, 68, .	4.7	38
412	Measurement of the charge ratio of atmospheric muons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 83-104.	4.1	38
413	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
414	First measurement of hadronic event shapes in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	4.1	38

#	ARTICLE	IF	CITATIONS
415	Measurement of the top-quark mass in $\overline{t}t$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
416	Search for pair produced fourth-generation up-type quarks in pp collisions at $\sqrt{s}=7$ TeV with a lepton in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 307-328.	4.7	38
417	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
418	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.	4.7	38
419	Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	38
420	Measurement of the CP-Violation Parameters $\sin(2\beta)$ in $B_d^0 \rightarrow \bar{K}^0 \pi^+ \pi^-$ Decays. Physical Review Letters, 1998, 81, 5513-5518.	7.8	37
421	Search for the charged Higgs boson in the decays of top quark pairs in the $t\bar{t} \rightarrow b\bar{b}H^{\pm}$ channels at $\sqrt{s}=1.8$ TeV. Physical Review D, 2000, 62, .	4.7	37
422	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	1.2	37
423	Measurement of the $\sigma(\text{top})$ production cross section in pp collisions at $\sqrt{s}=7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	3.9	37
424	Measurement of the $b\bar{b}$ cross section and the $b\bar{b} \rightarrow W^+W^-$ cross section in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 725, 204-222.	4.1	37
425	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 725, 204-222.	4.1	37
426	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
427	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	4.7	37
428	Combined search for anomalous pseudoscalar HVV couplings in VH production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	4.7	37
430	Search for anomalous pseudoscalar HVV couplings in VH production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	4.7	37

#	ARTICLE	IF	CITATIONS
433	Electron and photon energy calibration with the ATLAS detector using 2015â€“2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	1.2	37
434	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.	4.7	37
435	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	1.2	36
436	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
437	Search for heavy lepton partners of neutrinos in protonâ€“proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 343, 305-310.	4.1	36
438	Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.1	36
439	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 101801.	7.8	36
440	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
441	Measurement of flow harmonics correlations with mean transverse momentum in leadâ€“lead and protonâ€“lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	36
442	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
443	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.	3.9	36
444	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	1.2	35
445	Measurement of the $B \rightarrow B_s \gamma$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
446	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 2758.	4.7	35
447	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
448	Search for heavy Majorana neutrinos in $e\hat{A}^{\pm}e\hat{A}^{\pm}$ jets and $e\hat{A}^{\pm} \hat{A}^{\pm}$ jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
449	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
450	Events with a Rapidity Gap between Jets in $\hat{A}^{\pm}p$ Collisions at $\sqrt{s} = 630$ GeV. Physical Review Letters, 1998, 81, 5278-5283.	7.8	34

#	ARTICLE	IF	CITATIONS
451	First Measurement of the Ratio $B(\tau^+ W_b)/B(\tau^+ W_q)$ and Associated Limit on the Cabibbo-Kobayashi-Maskawa Element $ V_{tb} $. Physical Review Letters, 2001, 86, 3233-3238.	7.8	34
452	Search for Three-Jet Resonances in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101801.	7.8	34
453	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
454	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
455	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \hat{I}_T . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
456	Search for a $Z \rightarrow b\bar{b}$ resonance decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, 072001.	4.1	34
457	Search for $Z \rightarrow \tau^+ \tau^-$ resonances decaying to $\tau^+ \tau^-$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, 072001.	4.7	34
458	Search for $Z \rightarrow \tau^+ \tau^-$ resonances decaying to $\tau^+ \tau^-$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, 072001.	4.7	34
459	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
460	Measurements of the $pp \rightarrow Z \tau^+ \tau^-$ production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2016, 116, 052002.	4.1	34
461	Measurement of the $pp \rightarrow Z \tau^+ \tau^-$ production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2016, 116, 052002.	7.8	34
462	Measurement of $\sigma(\tau^+ \tau^-)$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	3.9	34
463	Measurements of the $\sigma(\tau^+ \tau^-)$ production cross section in lepton+jets final states in pp collisions at $\sqrt{s} = 8$ TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
464	Measurements of top-quark pair differential and double-differential cross-sections in the $l\bar{l} + jets$ channel with pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	34
465	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	34
466	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	33
467	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
468	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV decaying to a Z and a Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 255-277.	4.7	33

#	ARTICLE	IF	CITATIONS
469	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
470	Measurement of exclusive $\tilde{\chi}_1^0 \tilde{\chi}_1^0 W^+ W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Physical Review D, 2016, 94, .	4.7	33
471	Measurements of $\tilde{\chi}(2S)$ and $\chi(3872) \rightarrow J/\psi + \tilde{\chi}^0$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
472	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	33
473	Measurement of $\overline{B} B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
474	Search for supersymmetry in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
475	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
476	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
477	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2674.	3.9	32
478	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	4.1	32
479	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	1.2	32
480	Measurements of the $\mathcal{Z} Z$ production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV . European Physical Journal C, 2015, 75, 511.	3.9	32
481	Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 872.	3.9	32
482	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 1.	3.9	32
483	The Decays of Top Quark Pairs Produced in pp Collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1997, 79, 3585-3590.	7.8	31
484	Search for Chargino-Neutralino Associated Production at the Fermilab Tevatron Collider. Physical Review Letters, 1998, 80, 5275-5280.	7.8	31
485	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
486	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	31

#	ARTICLE	IF	CITATIONS
487	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
488	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
489	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
490	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
491	Search for W^+W^-/ZZ resonance production in $\ell^+\ell^-$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
492	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
493	Search for R-Parity Violating Supersymmetry Using Like-Sign Dielectrons in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1999, 83, 2133-2138.	7.8	30
494	Measurement of the Decay Amplitudes of $B^0 \rightarrow K^* \ell^+ \ell^-$ and $B_s^0 \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2000, 85, 4668-4673.	7.8	30
495	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
496	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	30
497	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
498	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
499	Measurement of the W-boson helicity in top-quark decays from $\overline{t} \rightarrow W^+ b$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
500	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
501	Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	30
502	Charge collection studies in irradiated HV-CMOS particle detectors. Journal of Instrumentation, 2016, 11, P04007-P04007.	1.2	30
503	Measurements of \overline{A}^0 spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
504	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30

#	ARTICLE	IF	CITATIONS
505	Measurement of the CP-violating weak phase $\tilde{\Gamma}_s$ and the decay width difference $\tilde{\Gamma}^{\prime}$'s using the inclusive and differential measurements of the B^0 decays into D^0 and D^{\pm} mesons. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.1	30
506	Searches for the $Z\tilde{\chi}^0$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.1	30
507	Searches for the $Z\tilde{\chi}^0$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	30
508	Study of $WW\gamma$ and WZ production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 646.	3.9	30
509	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 751.	3.9	30
510	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. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	30
511	Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	30
512	Evidence for $t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	30
513	First Observation of the Rare Decay Mode $K_L \rightarrow e^+e^-$. <i>Physical Review Letters</i> , 1998, 81, 4309-4312.	7.8	29
514	Search for Second and Third Generation Leptoquarks Including Production via Technicolor Interactions in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000, 85, 2056-2061.	7.8	29
515	Measurement of b-Quark Fragmentation Fractions in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000, 84, 1663-1668.	7.8	29
516	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	29
517	Search for high-mass resonances decaying into $\tau\tau$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 357, 251-268.	7.8	29
518	Search for $Z\tau^+\tau^-$ production in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 357, 251-268.	4.1	29
519	Search for $Z\tau^+\tau^-$ production in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 357, 251-268.	4.1	29
520	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2016, 76, 372.	3.9	29
521	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	29
522	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 26.	3.9	29

#	ARTICLE	IF	CITATIONS
523	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
524	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
525	Searches for heavy ZZ and ZW resonances in the $\hat{a}, \hat{a}, \hat{q}q$ and $\hat{1}/2 \hat{1}/2 q\bar{q}$ final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
526	Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	29
527	Measurement of the B _S meson lifetime using semileptonic decays. Physical Review D, 1999, 59, .	4.7	28
528	Production of $\hat{t}c1$ and $\hat{t}c2$ in pp collisions at $s = 1.8 \text{ TeV}$. Physical Review Letters, 2001, 86, 3963-3968.	7.8	28
529	Search for physics beyond the standard model using multilepton signatures in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.1	28
530	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.	4.1	28
531	Search for anomalous electroweak production of dilepton pairs in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 752-772.	4.1	28
532	Measurement of the WZ production cross-section and the top quark mass in $pp \rightarrow t\bar{t} + WZ$ association with a high-mass dijet system in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 804.	4.7	28
533	Measurement of lepton differential distributions and the top quark mass in $pp \rightarrow t\bar{t} + WZ$. European Physical Journal C, 2017, 77, 804.	3.9	28
534	Measurement of WW/WZ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	3.9	28
535	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	28
536	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a\hat{a} \rightarrow 4b$ channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	28
537	Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1.	3.9	28
538	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.	3.9	28
539	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	28
540	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	28

#	ARTICLE	IF	CITATIONS
541	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. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	28
542	Measurement of $d\sigma/dM$ and Forward-Backward Charge Asymmetry for High-Mass Drell-Yane+e ν Pairs from pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2001, 87, 131802.	7.8	27
543	<small>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" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x" data-bbox="12 178 998 231"/></small> Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.1	27
544	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	27
545	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 754, 59-80.		27
546	Measurements of top-quark pair differential cross-sections in the e^+e^- channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 292.	3.9	27
547	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. <i>European Physical Journal C</i> , 2018, 78, 625.	3.9	27
548	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	27
549	Measurement of the top-quark mass in $t\bar{t} + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	27
550	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. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	27
551	Search for Scalar Top Quark Production in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2000, 84, 5273-5278.	7.8	26
552	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	26
553	<small>Search for a heavy gauge boson Z' in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i>, 2017, 77, 292.</small> <small>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" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x" data-bbox="12 701 998 764"/></small>	4.1	26
554	Combined search for the quarks of a sequential fourth generation. <i>Physical Review D</i> , 2012, 86, .	4.7	26
555	Search for resonant $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	26
556	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, .	3.9	26
557	Search for three-jet resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.1	26
558	<small>Search for three-jet resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i>, 2021, 2021, 1.</small> <small>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" xmlns:tbl_struct="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x" data-bbox="12 886 998 955"/></small>	4.1	26

#	ARTICLE	IF	CITATIONS
559	Search for the standard model Higgs boson in the $H \rightarrow Z\gamma^* \rightarrow 2\gamma$, $2\gamma^*$ channel in pp collisions at $\sqrt{s} = 7, 8 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
560	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7, 8 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
561	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
562	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
563	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 1.	3.9	26
564	Search for dark matter in association with a Higgs boson decaying to b-quarks in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	4.1	26
565	Measurements of electroweak $W_j j$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	3.9	26
566	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $W \rightarrow \ell\bar{\ell}$ and $W \rightarrow \ell\nu$ final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	26
567	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	1.2	25
568	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9, 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
569	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	4.1	25
570	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 325.	3.9	25
571	Searches for heavy diboson resonances in pp collisions at $s = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	25
572	Search for a low-mass pseudoscalar Higgs boson produced in association with a W boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 11-31.	4.1	25
573	Search for triboson $W^+W^+W^-$ production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
574	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	3.9	25
575	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	3.9	25
576	Search for New Particles Decaying to $b\bar{b}$ Collisions at $\sqrt{s} = 1.8 \text{ TeV}$. Physical Review Letters, 1999, 82, 2038-2043.	7.8	24

#	ARTICLE	IF	CITATIONS
577	Search for a Fourth-Generation Quark More Massive than the Z0 Boson in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 835-840.	7.8	24
578	Measurement of the ratio of b quark production cross sections in pp collisions at $\sqrt{s}=630$ GeV and $\sqrt{s}=1800$ GeV. Physical Review D, 2002, 66, .	4.7	24
579	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. Journal of Instrumentation, 2010, 5, T03002-T03002.	1.2	24
580	Operational experience, improvements, and performance of the CDF Run II silicon vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 153-181.	1.6	24
581	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, .	4.7	24
582	Measurement of the $t\bar{t}$ production cross section in the $t\bar{t}+jets$ channel in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	24
583	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
584	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
585	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
586	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	4.1	24
587	Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	3.9	24
588	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	24
589	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2016, 76, 517.	3.9	24
590	Measurement of the $W\Delta Z$ boson pair-production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	4.7	24
591	Measurements of $t\bar{t}$ production cross sections and charge asymmetry in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	24
592	Measurement of the charge asymmetry using dilepton final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 1-22.	4.1	24
593	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	24
594	Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	24

#	ARTICLE	IF	CITATIONS
595	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
596	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7\sqrt{\text{TeV}}$. Journal of High Energy Physics, 2011, 2011, 1. Search for excited quarks in the cm^2 $\text{math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} < \text{mml:mi} > \hat{1}^3 < / \text{mml:mi} > < \text{mml:mo} > + < / \text{mml:mo} > < \text{mml:mrow} > < \text{mml:mi} \text{mathvariant="normal"} > \text{jet} < / \text{mml:mi} > < / \text{mml:mrow} > < / \text{mml:math} >$ final state in proton-proton collisions at $\sqrt{s} = 8\sqrt{\text{TeV}}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 274-293.	4.7	23
597	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8\sqrt{\text{TeV}}$ in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	4.1	23
598	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13\sqrt{\text{TeV}}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	3.9	23
599	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8\sqrt{\text{TeV}}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
600	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8\sqrt{\text{TeV}}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
601	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8\sqrt{\text{TeV}}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
602	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 $\sqrt{s} = 13\sqrt{\text{TeV}}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	23
603	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
604	Search for Second Generation Leptoquarks in the Dimuon Plus Dijet Channel of pp Collisions at $\sqrt{s} = 1.8\sqrt{\text{TeV}}$. Physical Review Letters, 1998, 81, 4806-4811.	7.8	22
605	Direct Measurement of the W Boson Width in pp Collisions at $\sqrt{s} = 1.8\sqrt{\text{TeV}}$. Physical Review Letters, 2000, 85, 3347-3352.	7.8	22
606	Measurement of the Top Quark pT Distribution. Physical Review Letters, 2001, 87, 102001.	7.8	22
607	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
608	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s} = 7\sqrt{\text{TeV}}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 42-61.	4.1	22
609	Search for physics beyond the standard model in events with \tilde{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7\sqrt{\text{TeV}}$. European Physical Journal C, 2013, 73, 2493.	3.9	22
610	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7\sqrt{\text{TeV}}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840.	4.1	22
611	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13\sqrt{\text{TeV}}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
612			

#	ARTICLE	IF	CITATIONS
613	Searches for scalar leptoquarks and differential cross-section measurements in dilepton+dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	3.9	22
614	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.	3.9	22
615	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	22
616	Search for New Particles Decaying into $b\bar{b}$ and Produced in Association with W Bosons Decaying into e^+e^- at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 3819-3824.	7.8	21
617	Search for $B_s^0 \rightarrow B^+ B^-$ Oscillations Using the Semileptonic Decay $B_s^0 \rightarrow \tau^+ \tau^- \nu_\tau$. Physical Review Letters, 1999, 82, 3576-3580.	7.8	21
618	Study of the heavy flavor content of jets produced in association with W bosons in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2002, 65, .	4.7	21
619	Search for a $W \rightarrow B$ Boson Decaying to a Top and Bottom Quark Pair in 1.8 TeV pp Collisions. Physical Review Letters, 2003, 90, 081802.	7.8	21
620	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 201802.	7.8	21
621	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.	4.1	21
622	Search for new resonances decaying to a W or Z boson and a Higgs boson in the $pp \rightarrow WZ$ channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 32-52.	4.1	21
623	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.	4.7	21
624	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, .	3.9	21
625	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.	3.9	21
626	Observation of $B^+ \rightarrow \tau^+ (2S) K^+$ and $B^0 \rightarrow \tau^- (2S) K^* (892)^0$ decays and measurements of B-meson branching fractions into J/ψ and $\psi(2S)$ final states. Physical Review D, 1998, 58, .	4.7	20
627	Measurement of the $B_d^0 \rightarrow B_d^0$ flavor oscillation frequency and study of same side flavor tagging of B mesons in pp collisions. Physical Review D, 1998, 59, .	4.7	20
628	Limits on Light Gravitino Production and New Processes with Large Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 85, 1378-1383.	7.8	20
629	Diffraction Dijet Production at $\sqrt{s} = 630$ and 1800 GeV at the Fermilab Tevatron. Physical Review Letters, 2002, 88, 151802.	7.8	20
630	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	1.2	20

#	ARTICLE	IF	CITATIONS
631	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
632	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
633	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	3.9	20
634	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1252-1272.	4.1	20
635	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	20
636	Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
637	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
638	Measurement of the $B \rightarrow D^* \mu^+ \mu^-$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	7.8	20
639	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
640	Search for heavy resonances decaying to a Z boson and a photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 11-30.	4.7	20
641	Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
642	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
643	Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
644	Measurement of the Branching Fraction $B(B_u \rightarrow \tau^+ \nu_\tau)$ and Search for $B_c \rightarrow \tau^+ \nu_\tau$. Physical Review Letters, 1996, 77, 5176-5181.	7.8	19
645	Measurement of the B^0 and B^+ meson lifetimes using semileptonic decays. Physical Review D, 1998, 58, .	4.7	19
646	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	1.2	19
647	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	1.2	19
648	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19

#	ARTICLE	IF	CITATIONS
649	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into l, \bar{l} , leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
650	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	3.9	19
651	Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
652	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.	4.7	19
653	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.	4.7	19
654	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.	4.7	19
655	Search for long-lived parents of Z bosons in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	4.7	18
656	Search for the Decays $B_s \rightarrow B_d^0 \tau^+ \tau^-$ and Pati-Salam Leptoquarks. Physical Review Letters, 1998, 81, 5742-5748.	4.7	18
657	Measurement of the $B_d \rightarrow B_s$ oscillation frequency using dimuon data in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1999, 60, .	4.7	18
658	Charged-Particle Multiplicity in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2001, 87, 211804.	7.8	18
659	Search for the Supersymmetric Partner of the Top Quark in Dilepton Events from pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2003, 90, 251801.	7.8	18
660	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	1.2	18
661	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV. Physical Review D, 2012, 86, .	4.7	18
662	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
663	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 042301.	4.1	18
664	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	4.1	18
666	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	3.9	18

#	ARTICLE	IF	CITATIONS
667	Search for $W \rightarrow \tau \nu$ decaying to tau lepton and neutrino in proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	4.1	18
668	Search for top squark pair production in compressed-mass-spectrum scenarios in proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 403-430.	4.1	18
669	Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \tau\tau$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
670	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
671	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	18
672	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
673	Search for Higgs Bosons Produced in Association with a Vector Boson in $pp \rightarrow V H$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 81, 5748-5753.	7.8	17
674	Measurement of the $B \rightarrow D^* \ell \nu$ oscillation frequency using $B \rightarrow D^* \ell \nu$ pairs and lepton flavor tags. Physical Review D, 1999, 60, .	4.7	17
675	Search for Gluinos and Squarks Using Like-Sign Dileptons in $pp \rightarrow \ell \ell$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2001, 87, 251803.	7.8	17
676	Search for New Physics in Photon-Lepton Events in $pp \rightarrow \ell \gamma$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 89, 041802.	7.8	17
677	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. Journal of Instrumentation, 2010, 5, T03016-T03016.	1.2	17
678	Search for Pair Production of Second-Generation Scalar Leptoquarks in $pp \rightarrow \ell \ell$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2011, 106, 201803.	7.8	17
679	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
680	Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2011, 106, 201803.	4.1	17
681	Measurement of the $\Lambda_b \rightarrow \Lambda_c \ell \bar{\nu}$ lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
682	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
683	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
684	Measurement of the ratio of the production cross sections times branching fractions of $B_c \rightarrow \tau \nu$ and $B_c \rightarrow K \tau \nu$ and $B_c \rightarrow \tau \nu$ and $B_c \rightarrow K \tau \nu$ in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
685	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
686	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	4.7	17
687	Probing the W $t\bar{b}$ vertex structure in t -channel single-top-quark production and decay in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
688	Search for supersymmetry in events with b -tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
689	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
690	Direct top-quark decay width measurement in the $t \rightarrow t \bar{\nu}_\ell + \text{jets}$ channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
691	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
692	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
693	Measurements of W and Z boson production in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	17
694	Measurement of W boson production in $Pb+Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	17
695	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
696	Search for the $HH \rightarrow \gamma\gamma$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	17
697	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	17
698	Search for Third-Generation Leptoquarks from Technicolor Models in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1999, 82, 3206-3211.	7.8	16
699	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16
700	Measurement of the $t\bar{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
701	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
702	Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16

#	ARTICLE	IF	CITATIONS
703	Measurement of the production cross section ratio $\sigma(\tilde{t}\tilde{t}^*)/\sigma(\tilde{t}\tilde{t}^*)$ in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	16
704	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
705	Measurement of the production cross section in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
706	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
707	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.	4.7	16
708	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
709	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
710	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
711	Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
712	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.	3.9	16
713	Search for exclusive Higgs and Z boson decays to $\tilde{t}\tilde{t}^*$ and $\tilde{t}\tilde{t}^*$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
714	Measurement of differential cross sections and W^+W^{\pm} cross-section ratios for W boson production in association with jets at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
715	The SVX II silicon vertex detector upgrade at CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 383, 13-20.	1.6	15
716	Search for a Technicolor T Particle in Events with a Photon and ab -Quark Jet at Fermilab. Physical Review Letters, 1999, 83, 3124-3129.	7.8	15
717	Search for new physics in photon-lepton events in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 66, .	4.7	15
718	Study of the Dijet Mass Spectrum in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 251801.	4.1	15
719	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
720	Search for charge-asymmetric production of W^+W^{\pm} cross-section ratios for W boson production in association with jets at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.1	15

#	ARTICLE	IF	CITATIONS
721	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
722	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
723	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.	4.1	15
724	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
725	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.	4.1	15
726	Search for a Higgs boson decaying into $Z\gamma$ with low dilepton mass in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.1	15
727	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
728	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
729	Search for scalar resonances decaying into $\tau^+\tau^-$ 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.	4.7	15
730	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.	3.9	15
731	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.	3.9	15
732	Properties of Jets in W Boson Events from 1.8 TeV pp Collisions. Physical Review Letters, 1997, 79, 4760-4765.	7.8	14
733	Search for Color Singlet Technicolor Particles in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 84, 1110-1115.	7.8	14
734	Life expectancy of the CDF Run II silicon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 549, 126-129.	1.6	14
735	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	14
736	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
737	Measurement of the production cross section for $Z\gamma$ and limits on $ZZ\gamma$ and $Z\gamma\gamma$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
738	Search for s channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14

#	ARTICLE	IF	CITATIONS
739	Measurement of spin correlations in W^+W^- production using the matrix element method in the muon+jets final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.1	14
740	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.1	14
741	Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
742	Studies of $Z\bar{\nu}\nu$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
743	Measurement of VH production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
744	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s}=13$ TeV in ATLAS. European Physical Journal C, 2019, 79, 1.	3.9	14
745	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
746	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
747	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	14
748	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
749	Search for $t\bar{t}$ 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
750	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	14
751	Search for diffractive dissociation of a long-lived dibaryon. Physical Review D, 1996, 53, R3487-R3491.	4.7	13
752	Observation of Hadronic Decays in $t\bar{t}$ Events with the Collider Detector at Fermilab. Physical Review Letters, 1998, 80, 5720-5725.	7.8	13
753	Measurement of b-quark fragmentation fractions in the production of strange and light mesons in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1999, 60, .	4.7	13
754	Search for a $W\bar{W}$ Boson via the Decay Mode $W\bar{W}\rightarrow\tau^+\tau^-$ in 1.8 TeV $p\bar{p}$ Collisions. Physical Review Letters, 2000, 84, 5716-5721.	7.8	13
755	Search for Associated Production of W and Vector Boson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2003, 90, 221803.	7.8	13
756	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13

#	ARTICLE	IF	CITATIONS
757	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
758	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
759	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .	4.7	13
760	Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 334-352.	4.7	13
761	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
762	Search for Higgs and Z boson decays to $\tau\tau$ with the ATLAS detector. Physical Review Letters, 2016, 117, 111802.	7.8	13
763	Search for Higgs boson decays to $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2016, 93, .	4.7	13
764	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.1	13
765	Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s}=13, 8, 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
766	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at \sqrt{s} s. European Physical Journal C, 2018, 78, 102.	3.9	13
767	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
768	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
769	Search for the supersymmetric partner of the top quark in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2001, 63, .	4.7	12
770	Searches for new physics in events with a photon and b-quark jet at CDF. Physical Review D, 2002, 65, .	4.7	12
771	Measurement of the mass difference $m(D_s^+) - m(D^+)$ at CDF II. Physical Review D, 2003, 68, .	4.7	12
772	Search for first generation scalar leptoquarks in the $e\bar{\nu}_j$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2016, 93, .	4.1	12
773	Search for contact interactions using the inclusive jet+ $\tau\tau$ events in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.7	12
774	Search for contact interactions using the inclusive jet+ $\tau\tau$ events in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.7	12

#	ARTICLE	IF	CITATIONS
775	Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.	4.1	12
776	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
777	Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 520-537.	4.1	12
778	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
779	Search for neutral MSSM Higgs bosons decaying to $\tau\tau$ in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 221-246.	4.1	12
780	Investigation of HV/HR-CMOS technology for the ATLAS Phase-II Strip Tracker Upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 189-196.	1.6	12
781	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
782	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
783	Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
784	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 8.16$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	12
785	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	3.9	12
786	Search for supersymmetry in events with four or more charged leptons in 139 fb^{-1} of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12
787	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	12
788	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
789	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	3.9	12
790	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, 1.	3.9	12
791	Validation of Synthetic Diamond for a Beam Condition Monitor for the Compact Muon Solenoid Experiment. IEEE Transactions on Nuclear Science, 2007, 54, 182-185.	2.0	11
792	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11

#	ARTICLE	IF	CITATIONS
793	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	11
794	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \tau\tau, \tau\tau, \tau\tau, \tau\tau$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
795	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	4.7	11
796	Measurement of the $Z\tau^3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
797	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2016, 93, .	4.7	11
798	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.	3.9	11
799	Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 220.	3.9	11
800	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
801	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
802	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
803	Search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 309-329.	4.7	10
804	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
805	Measurement of W boson angular distributions in events with high transverse momentum jets at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 132-159.	4.7	10
806	Measurement of the $Z\gamma \rightarrow u\bar{u}$ 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.	4.7	10
807	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
808	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.	4.7	10
809	Measurement of J/ψ production in association with a $W\Delta$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
810	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10

#	ARTICLE	IF	CITATIONS
811	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.	4.7	10
812	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
813	Properties of photon plus two-jet events in $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 57, 67-77.	4.7	9
814	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1208-1228.	4.1	9
815	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	9
816	Searches for parity-violating supersymmetry in $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	9
817	Measurement of the $\gamma\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
818	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
819	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ZZ $\rightarrow \gamma\gamma, \gamma Z, Z\gamma, Z^2$ and ZZ $\rightarrow \gamma\gamma, \gamma Z, Z\gamma, Z^2$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
820	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
821	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	9
822	Measurement of the Z $\rightarrow \gamma\gamma, \gamma Z, Z\gamma, Z^2$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	9
823	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	9
824	Central Pseudorapidity Gaps in Events with a Leading Antiproton at the Fermilab Tevatron p-p Collider. Physical Review Letters, 2003, 91, 011802.	7.8	8
825	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.1	8
826	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
827	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
828	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
829	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.	4.7	8
830	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	8
831	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
832	Measurements of $W+W^{\pm} + \geq 1$ 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
833	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
834	Reconstruction and identification of boosted $di\bar{l}$ 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
835	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1.	3.9	8
836	Measurement of the polarization transfer parameter $D_{NN}^{\text{for } C_{12,13}(\hat{p}_1, \hat{p}_2)}$ at 500 MeV. Physical Review C, 1996, 53, 1974-1976.	2.9	7
837	Measurement of the differential dijet mass cross section in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2000, 61, .	4.7	7
838	Tests of enhanced leading order QCD in W boson plus jets events from 1.8 TeV pp collisions. Physical Review D, 2001, 63, .	4.7	7
839	Cross section for forward J/ψ production in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 66, .	4.7	7
840	Search for the decay $B_s \rightarrow \tau^+ \tau^-$ in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, .	4.7	7
841	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
842	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 88, .	4.7	7
843	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	7
844	Search for supersymmetry with photons in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	7
845	Measurement of $\sigma_{\text{au}} \sigma_{\text{Z}}^{\text{pol}}$, polarisation in $Z/\gamma \rightarrow \text{au au}$. European Physical Journal C, 2018, 78, 163.	3.9	7
846	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.	3.9	7

#	ARTICLE	IF	CITATIONS
847	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	3.9	7
848	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	7
849	Measurement of the Differential Cross Section for Events with Large Total Transverse Energy in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 80, 3461-3466.	7.8	6
850	Measurement of the $\sigma(W+\text{jet})/\sigma(W)$ Cross Section Ratio from pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1998, 81, 1367-1372.	7.8	6
851	Measurement of b-bbar rapidity correlations in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1999, 61, .	4.7	6
852	A compact beam stop for a rare kaon decay experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 428, 239-262.	1.6	6
853	Measurement of B-meson lifetimes using fully reconstructed B decays produced in pp collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2002, 65, .	4.7	6
854	Study of $B \rightarrow K^* \ell \bar{\nu}_\ell$ Decays with the Collider Detector at Fermilab. Physical Review Letters, 2002, 88, 071801.	7.8	6
855	Measurement of the radiation field in CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 89-93.	1.6	6
856	Measurement of the cross section for production of $b \bar{b} X$ decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
857	Search for anomalous production of singly boosted bosons decaying to $\mu\mu$. overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:si="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:mml="http://www.w3.org/1998/Math/MathML" id="id1" display="inline" < mml:mrow > < mml:msub > < mml:mrow > < mml:mi > p </mml:mi > </mml:mrow > < mml:mrow > < mml:mi > T </mml:mi > </mml:mrow > < mml:mi > </mml:mi > </mml:mrow > < mml:msqrt > < mml:mrow > < mml:mi > s </mml:mi > </mml:mrow > </mml:msqrt > < mml:mo > = </mml:mo > < mml:mo > </mml:mo > < mml:mn > 8 </mml:mn > < mml:mtext > \hat{s} </mml:mtext > < mml:mi > TeV </mml:mi > </mml:mrow >	4.1	6
858	Search for jet extinction in the inclusive jet- μ production. display="inline" < mml:mrow > < mml:msqrt > < mml:mrow > < mml:mi > s </mml:mi > </mml:mrow > </mml:msqrt > < mml:mo > = </mml:mo > < mml:mo > </mml:mo > < mml:mn > 8 </mml:mn > < mml:mtext > \hat{s} </mml:mtext > < mml:mi > TeV </mml:mi > </mml:mrow >	4.7	6
859	Comparison of the $Z/\gamma^* \rightarrow \mu\mu + \text{jets}$ to $\gamma^* \rightarrow \mu\mu + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
860	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	3.9	6
861	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	4.1	6
862	$\rho(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	4.1	6
863	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	4.1	6
864	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 479-500.	4.1	6

#	ARTICLE	IF	CITATIONS
865	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
866	Measurement of ZZ production in the $\gamma\gamma, \gamma Z, \gamma W, WZ$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
867	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
868	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
869	Performance of the ATLAS Level-1 topological trigger in Run-2. European Physical Journal C, 2022, 82, 1.	3.9	6
870	Properties of six-jet events with large six-jet mass at the Fermilab proton-antiproton collider. Physical Review D, 1997, 56, 2532-2543.	4.7	5
871	Radiation effects in double-sided silicon sensors for CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 418, 120-127.	1.6	5
872	Search for the rare decay $W \rightarrow \tau \nu_\tau$ in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	4.7	5
873	Search for New Heavy Particles in the WZ Final State in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 88, 071806.	7.8	5
874	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	1.2	5
875	Search for contact interactions in $pp \rightarrow \gamma\gamma$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	4.7	5
876	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2015, 91, .	4.7	5
877	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
878	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
879			

#	ARTICLE	IF	CITATIONS
883	Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb ⁻¹ of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
884	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. , 2011, 2011, 1.		5
885	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.	3.9	5
886	Measurement of proton-induced radiation damage effects in double-sided silicon microstrip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 399, 76-84.	1.6	4
887	CVD diamond pixel development. IEEE Transactions on Nuclear Science, 2002, 49, 1059-1062.	2.0	4
888	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
889	Radiation hardness of two CMOS prototypes for the ATLAS HL-LHC upgrade project.. Journal of Instrumentation, 2016, 11, C02005-C02005.	1.2	4
890	Measurement of $W+W$ production in association with one jet in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 114-133.	4.1	4
891	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2016, 94, .	4.7	4
892	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
893	Measurement of jet activity in top quark events using the $e\gamma$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
894	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, .	3.9	4
895	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
896	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
897	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.	3.9	4
898	Measurement of K_S^0 and Λ^0 production in tr dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	4
899	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.	3.9	4
900	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

#	ARTICLE	IF	CITATIONS
901	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
902	Measurement of the $\sigma(\bar{p} + D^* \rightarrow \bar{p} + \Lambda^0)$ Cross Section in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1996, 77, 5005-5010.	7.8	3
903	Search for the rare decay $W \rightarrow \tau^+ \bar{\nu}_\tau + \bar{\nu}_\tau$ in proton-antiproton collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	4.7	3
904	Cross section and heavy quark composition of $\bar{b} + \bar{t} + \bar{c} + \bar{s}$ events produced in $\bar{p}p$ collisions. Physical Review D, 2001, 65, .	4.7	3
905	Design and performance of improved Column Parallel CCD, CPC2. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 621, 192-204.	1.6	3
906	First radiation hardness results of the TeraPixel Active Calorimeter (TPAC) sensor. Journal of Instrumentation, 2013, 8, P01007-P01007.	1.2	3
907	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
908	Search for $W \rightarrow \tau^+ \bar{\nu}_\tau$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
909	Study of built-in amplifier performance on HV-CMOS sensor for the ATLAS phase-II strip tracker upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 156-160.	1.6	3
910	Radiation hardness studies of AMS HV-CMOS 350 nm prototype chip HVStripV1. Journal of Instrumentation, 2017, 12, P02010-P02010.	1.2	3
911	Measurement of the k_t splitting scales in $Z \rightarrow \tau^+ \tau^-$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
912	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	3
913	Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
914	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	3
915	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
916	Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow \tau^+ J/\psi K^0$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
917	The OverMOS project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 394-395.	1.6	2
918	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2013, 2013, 1.		2

#	ARTICLE	IF	CITATIONS
919	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
920	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s} = 13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	3.9	2
921	Vertex detector sensors for the International Linear Collider. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 123-126.	1.6	1
922	Beam test results of FORTIS, a 4T MAPS sensor with a signal-to-noise ratio exceeding 100. Journal of Instrumentation, 2011, 6, P12006-P12006.	1.2	1
923	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	1
924	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb^{-1} of ($\sqrt{s} = 13$) TeV pp collisions with the ATLAS detector. , 2018, 2018, 1.		1
925	Measurement of the W-boson mass in pp collisions at ($\sqrt{s} = 7$, $\sqrt{s} = 13$) TeV) with the ATLAS detector. , 2018, 78, 1.		1
926	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ($\sqrt{s} = 13$, $\sqrt{s} = 13$) TeV). , 2018, 78, 1.		1
927	CDF silicon tracking detectors, 1988-2011. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 699, 84-88.	1.6	0