

Justin Albert

List of Publications by Year in descending order

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Version: 2024-02-01

1,107
papers

63,487
citations

1172

111
h-index

2684

193
g-index

1139
all docs

1139
docs citations

1139
times ranked

14493
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29. | 4.1 | 6,386 |
| 2 | The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003. | 1.2 | 1,752 |
| 3 | Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS Experiment. Physical Review Letters, 2015, 114, 191803. | 7.8 | 1,062 |
| 4 | Evidence for an Excess of $B \rightarrow \tau \nu$ Decays in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS Experiment. Physical Review Letters, 2015, 114, 191803. | 7.8 | 781 |
| 5 | Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317. | 3.9 | 489 |
| 6 | Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 473 |
| 7 | Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 292. | 3.9 | 453 |
| 8 | Observation of Associated Near-Side and Away-Side Long-Range Correlations in pp Collisions with the ATLAS Detector. Physical Review Letters, 2013, 110, 182302. | 4.7 | 434 |
| 9 | Search for a Dark Photon in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS Detector. Physical Review Letters, 2014, 113, 201801. | 4.7 | 410 |
| 10 | Study of the $B \rightarrow \tau \nu$ decay and measurement of the $B \rightarrow X(3872) K \nu$ branching fraction. Physical Review D, 2005, 71, . | 4.7 | 375 |
| 11 | Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, . | 2.9 | 365 |
| 12 | Improved luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518. | 3.9 | 362 |
| 13 | Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66. | 4.1 | 307 |
| 14 | Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490. | 3.9 | 325 |
| 15 | Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144. | 4.1 | 307 |
| 16 | Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 581. | 3.9 | 298 |
| 17 | Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119. | 4.1 | 295 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | The Physics of the B Factories. European Physical Journal C, 2014, 74, 1. | 3.9 | 292 |
| 20 | Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653. | 3.9 | 279 |
| 21 | Performance of <i>b</i> -jet identification in the ATLAS experiment. Journal of Instrumentation, 2016, 11, P04008-P04008. | 1.2 | 278 |
| 22 | Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6. | 3.9 | 274 |
| 23 | Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17. | 3.9 | 268 |
| 24 | Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008. | 1.2 | 260 |
| 25 | Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1. | 3.9 | 248 |
| 26 | Combined measurements of Higgs boson production and decay using up to $\sqrt{s} = 800$ GeV of proton-proton collision data at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physical Review D, 2020, 101, . | 2.1 | 241 |
| 27 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299. | 3.9 | 238 |
| 28 | Search for high-mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physical Review D, 2014, 90, . | 4.7 | 237 |
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941. | 3.9 | 204 |
| 38 | Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45. | 3.9 | 197 |
| 39 | Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191. | 4.1 | 196 |
| 40 | Measurement of the inclusive proton-proton cross section at $\sqrt{s} = 2.76$ TeV with the ATLAS detector at the LHC. Physical Review Letters, 2016, 117, 182002. | 4.1 | 195 |
| 41 | Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903. | 7.8 | 185 |
| 42 | Measurement of the Higgs boson mass from the $H \rightarrow \gamma\gamma$ decay channel with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1. | 3.9 | 181 |
| 43 | Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 176 |
| 44 | Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476. | 4.7 | 175 |
| 45 | Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1. | 3.9 | 174 |
| 46 | Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with the ATLAS Detector using LHC Run 1 Data. Physical Review Letters, 2014, 113, 171801. | 3.9 | 172 |
| 47 | Measurement with the ATLAS detector of multi-particle azimuthal correlations in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1. | 7.8 | 171 |
| 48 | Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 173-191. | 4.1 | 169 |
| 49 | Search for Scalar Diphoton Resonances in the Mass Range 65-600 GeV with the ATLAS Detector using LHC Run 1 Data. Physical Review Letters, 2014, 113, 171801. | 4.1 | 169 |
| 50 | Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1. | 7.8 | 168 |
| 51 | Direct CP Violating Asymmetry in $B^0 \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2004, 93, 131801. | 4.7 | 168 |
| 52 | Measurement of the inclusive $W \rightarrow e\mu$ and $Z \rightarrow ee$ cross sections in the $pp \rightarrow Z/\gamma^* \rightarrow ee$ process at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, . | 4.7 | 158 |
| 53 | Measurements of Higgs boson production and couplings in the four-lepton channel in $pp \rightarrow H \rightarrow 4\ell$ collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, . | 4.7 | 158 |

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|----|---|-----|-----------|
| 55 | Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2017, 96, . | 4.7 | 157 |
| 56 | Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Nuclear Physics B</i> , 2014, 889, 486-548. | 2.5 | 155 |
| 57 | Measurement of the transverse momentum and $\phi_{T\ell}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 291. | 3.9 | 154 |
| 58 | The BB detector: Upgrades, operation and performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 729, 615-701. | 1.6 | 148 |
| 59 | Measurement of hard double-parton interactions in $W(\rightarrow \ell\bar{\ell}) + 2$ -jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>New Journal of Physics</i> , 2013, 15, 033038. | 2.9 | 147 |
| 60 | Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 145 |
| 61 | Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017, 77, 466. | 3.9 | 145 |
| 62 | Precision measurement and interpretation of inclusive W^+W^- , W^+Z , W^0Z . <i>European Physical Journal C</i> , 2017, 77, 367. | 3.9 | 145 |
| 63 | Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 121, 211801. | 7.8 | 145 |
| 64 | Precise measurement of the W^+W^- cross section in the $W^+W^- \rightarrow \ell^+\ell^-$ channel with the ATLAS detector. <i>Physical Review Letters</i> , 2018, 121, 211801. | | |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s}=7$ and 8 TeV using the ATLAS detector. Physical Review D, 2012, 86, . | 4.7 | 135 |
| 74 | Measurements of the Nuclear Modification Factor for Jets in $\sqrt{s}=7$ and 8 TeV pp Collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2012, 86, . | 7.8 | 135 |
| 75 | Measurement of event-plane correlations in $\sqrt{s}=7$ and 8 TeV pp collisions with the ATLAS detector. Physical Review C, 2014, 90, . | 3.9 | 134 |
| 76 | Charged-particle multiplicities in pp interactions at $\sqrt{s}=7$ and 8 TeV measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 21-42. | 7.8 | 133 |
| 77 | Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801. | 7.8 | 133 |
| 78 | 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 |
| 79 | Measurement of the Z boson transverse momentum distribution in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 131 |
| 80 | Search for Invisible Decays of a Higgs Boson Produced in Association with a Z Boson in ATLAS. Physical Review Letters, 2014, 112, . | 7.8 | 130 |
| 81 | 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 |
| 82 | Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802. | 7.8 | 129 |
| 83 | $e^+e^- \rightarrow 3(\bar{l}\nu_l)$, $2(\bar{l}\nu_l)\nu_l$ and $K^+K^- \rightarrow 2(\bar{l}\nu_l)$ cross sections at center-of-mass energies from production threshold to 4.5 GeV measured with initial-state radiation. Physical Review D, 2006, 73, . | 4.7 | 128 |
| 84 | Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 128 |
| 85 | Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 126 |
| 86 | Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $\sqrt{s}=7$ and 8 TeV pp collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2014, 90, . | 4.7 | 126 |
| 87 | 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 |
| 88 | Electron and photon performance measurements with the ATLAS detector using the 2015-2017 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P12006-P12006. | 1.2 | 124 |
| 89 | 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. Physical Review D, 2018, 98, 1. | 3.9 | 124 |
| 90 | Evidence for Electroweak Production of \tilde{W} in $\sqrt{s}=7$ and 8 TeV pp Collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2012, 86, . | 7.8 | 123 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $\bar{b}b$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 349. | 3.9 | 123 |
| 92 | Study of $e^+e^- \rightarrow p\bar{p}$ via initial-state radiation at BABAR. <i>Physical Review D</i> , 2013, 87, . | 4.7 | 122 |

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| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | <p>Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow \hat{\pi}^+ K^0$ and invisible</p> <p>Physical Review D, 2012, 86, .</p> | 4.7 | 118 |
| 110 | <p>Measurement of branching fractions and rate asymmetries in the rare decays $B \rightarrow \hat{\pi}^+ K^0$ and invisible</p> <p>Physical Review D, 2012, 86, .</p> | 4.7 | 118 |
| 111 | <p>Physical Review D, 2012, 86, .</p> | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 2056. | 3.9 | 101 |
| 128 | Searches for Higgs boson pair production in the $h \rightarrow b\bar{b}$ final state using pp collision data at $\sqrt{s} = 8$ TeV from the ATLAS detector. Physical Review Letters, 2015, 114, 081802. | 4.7 | 101 |
| 129 | Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ 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 |
| 130 | Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 100 |
| 131 | Search for high-mass diphoton resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, . | 4.7 | 99 |
| 132 | Search for Higgs Boson Pair Production in the $\tau\tau b\bar{b}$ Final State Using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802. | 7.8 | 98 |
| 133 | Measurement of the total cross section from elastic scattering in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 4.7 | 93 |
| 134 | Time-integrated luminosity recorded by the BABAR detector at the PEP-II collider. Physical Review Letters, 2005, 95, 011801. | 4.7 | 93 |
| 135 | Search for a low-mass Higgs boson decaying to Z plus two photons. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 7.8 | 97 |
| 136 | Search for heavy Higgs bosons decaying into two tau leptons with the ATLAS detector using pp collision data at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 3.9 | 95 |
| 137 | Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335. | 3.9 | 95 |
| 138 | Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210. | 3.9 | 95 |
| 139 | Search for the Standard Model Higgs boson in the decay channel $h \rightarrow \tau\tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 4.7 | 93 |
| 140 | Measurements of the $B \rightarrow X s \gamma$ branching fraction and photon spectrum from a sum of exclusive final states. Physical Review D, 2005, 72, . | 4.7 | 93 |
| 141 | Centrality and rapidity dependence of inclusive jet production in pp collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 3.9 | 93 |
| 142 | Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1. | 3.9 | 93 |
| 143 | Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82. | 3.9 | 92 |
| 144 | Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 4.7 | 91 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Search for dark matter in events with a Z boson and missing transverse momentum in Radiative Transitions to $\tilde{\chi}_1^0$. <i>Journal of High Energy Physics</i> , 2015, 2015, 1. | 7.8 | 90 |
| 146 | Search for Higgs boson pair production in the $b\bar{b}A^0b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 412. | 4.7 | 90 |
| 147 | Search for the $b\bar{b}A^0$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1. | 4.7 | 89 |
| 149 | Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$; {ext{TeV}} \sqrt{s} pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012, 2012, 1. | 4.7 | 88 |
| 150 | Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 88 |
| 151 | Measurement of $W\Delta$ and Z-boson production cross sections 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, 359, 601-621. | 3.9 | 87 |
| 152 | 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 | 86 |
| 153 | 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. | 4.7 | 84 |
| 154 | Study of the reaction $e^+e^- \rightarrow e^+e^- \gamma^* \rightarrow e^+e^- \mu^+\mu^-$ at $\sqrt{s} = 10.58$ GeV with the BABAR detector. <i>Physical Review D</i> , 2012, 86, . | 4.7 | 82 |
| 155 | Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2015, 92, . | 4.7 | 82 |
| 156 | Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1. | 4.7 | 81 |
| 157 | Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1. | 4.7 | 81 |
| 158 | Observation of an Excited B_c State with the ATLAS Detector. <i>Physical Review Letters</i> , 2014, 113, 212004. | 3.9 | 82 |
| 159 | Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 1. | 7.8 | 81 |
| 160 | Search for Dilepton Resonances in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2011, 107, 272002. | 4.7 | 81 |
| 161 | ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 3.9 | 81 |
| 162 | Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 76. | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 163 | Measurement of Collins asymmetries in inclusive production of charged pion pairs in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2014, 90, . | 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. <i>European Physical Journal C</i> , 2017, 77, 393. | 4.7 | 80 |
| 165 | Searches for electroweak production of supersymmetric particles with compressed mass spectra in pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2020, 101, . | 3.9 | 80 |
| 166 | Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 209. | 4.7 | 80 |
| 167 | Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 70. | 3.9 | 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. <i>Physical Review Letters</i> , 2014, 112, . | 3.9 | 79 |
| 169 | Precision Measurement of the $B \rightarrow Xs\gamma$ Energy Spectrum, Branching Fraction, and Direct CP Asymmetry in $B \rightarrow Xs\gamma$ Decays. <i>Physical Review Letters</i> , 2013, 87, . | 7.8 | 78 |
| 170 | Measurement of χ production in pp collisions at ATLAS. <i>Physical Review D</i> , 2013, 87, . | 4.7 | 78 |
| 171 | Measurement of the $B \rightarrow Xs\gamma$ Fraction and Search for Direct CP Violation. <i>Physical Review Letters</i> , 2014, 112, . | 7.8 | 78 |
| 172 | Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1-39. | 4.7 | 78 |
| 173 | Time-integrated and time-dependent angular analyses of $B \rightarrow J/\psi K_S$: A measurement of $\cos^2\theta_1^2$ with no sign ambiguity from strong phases. <i>Physical Review D</i> , 2005, 71, . | 4.7 | 77 |
| 174 | Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 13$ TeV. <i>Physics Letters Section B: Nuclear, Particle and High Energy Physics</i> , 2014, 339, 1-5. | 4.7 | 77 |
| 175 | Study of the reaction $pp \rightarrow \tau^+ \tau^- \nu_\tau \nu_\tau$ at ATLAS. <i>Physical Review D</i> , 2014, 89, . | 4.7 | 77 |
| 176 | Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3023. | 3.9 | 77 |
| 177 | Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 92. | 3.9 | 77 |
| 178 | Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 2019, 1-14. | 3.9 | 77 |
| 179 | Study of $C \rightarrow P$ violation in Dalitz-plot analyses of $B \rightarrow 0 \rightarrow \tau^+ \tau^- K^0$ decays. <i>Physical Review D</i> , 2014, 89, . | 4.7 | 77 |
| 180 | Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 92. | 3.9 | 77 |

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|-----|--|------|-----------|
| 181 | Measurement of $\langle \sigma_{\text{hadronic}} \rangle$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 76 |
| 182 | Angular analysis of $B_0 \rightarrow \pi^+ \pi^- K_S^0$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 76 |
| 183 | Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in pp Collisions Using $\sqrt{s} = 13$ TeV of ATLAS Data. <i>Physical Review Letters</i> , 2012, 109, 211803. | 4.7 | 75 |
| 184 | Search for new physics in the dijet mass distribution using $\sqrt{s} = 13$ TeV of pp collision data at $\sqrt{s} = 13$ TeV collected by the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 708, 37-54. | 4.1 | 75 |
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