

# Joseph Izen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7107483/publications.pdf>

Version: 2024-02-01

646  
papers

32,709  
citations

4120

87  
h-index

10127

140  
g-index

677  
all docs

677  
docs citations

677  
times ranked

10809  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.   | 1.4 | 1,187     |
| 2  | ATLAS pixel detector electronics and sensors. Journal of Instrumentation, 2008, 3, P07007-P07007.  | 0.5 | 494       |
| 3  | Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.   | 1.4 | 489       |
| 4  | Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.  | 1.4 | 453       |
| 5  | 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.   | 1.4 | 362       |
| 6  | Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.  | 1.4 | 325       |
| 7  | Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.  | 1.4 | 298       |
| 8  | The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.  | 1.4 | 292       |
| 9  | Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.   | 1.4 | 279       |
| 10 | Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.         | 1.4 | 274       |
| 11 | Search for Invisible Decays of a Dark Photon Produced in $e^+e^-$ Collisions at BaBar. Physical Review Letters, 2017, 119, 131804.   | 2.9 | 272       |
| 12 | 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.                                      | 1.4 | 268       |
| 13 | Observation of a Near-Threshold Enhancement in the $\tau^+\tau^-$ Mass Spectrum from Radiative $e^+e^- \rightarrow \tau^+\tau^- \gamma$ Decays. Physical Review Letters, 2003, 91, 022001.                       | 2.9 | 260       |
| 14 | Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.   | 0.5 | 260       |
| 15 | Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.   | 1.4 | 259       |
| 16 | Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.   | 1.4 | 248       |
| 17 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299. | 1.4 | 238       |
| 18 |  |     |           |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.   | 1.4 | 230       |
| 20 | The BES upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 458, 627-637.   | 0.7 | 229       |
| 21 | Measurements of the Cross Section for $e^+e^- \rightarrow \text{Hadrons}$ at Center-of-Mass Energies from 2 to 5 GeV. Physical Review Letters, 2002, 88, 101802.  | 2.9 | 222       |
| 22 | 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.   | 1.4 | 218       |
| 23 | Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.   | 1.4 | 213       |
| 24 | Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.  | 1.4 | 209       |
| 25 | 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.                                  | 1.4 | 204       |
| 26 | Reanalysis of Charmed-D-Meson Branching Fractions. Physical Review Letters, 1988, 60, 89-92.  | 2.9 | 198       |
| 27 | Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.                        | 1.4 | 197       |
| 28 | Jet production and fragmentation in $e^+e^-$ annihilation at $\sqrt{s} = 43$ GeV. Zeitschrift für Physik C-Particles and Fields, 1984, 22, 307-340.   | 1.5 | 191       |
| 29 | 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.                                      | 1.4 | 181       |
| 30 | Luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.  | 1.4 | 179       |
| 31 | Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.                | 1.6 | 175       |
| 32 | Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.  | 1.4 | 174       |
| 33 | Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.  | 1.4 | 172       |
| 34 | Search for new high-mass phenomena in the dilepton final state using 36 fb <sup>-1</sup> of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 168       |
| 35 | Measurement of the transverse momentum and $\phi^*_{\eta}$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291. | 1.4 | 154       |
| 36 | Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.   | 1.4 | 146       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 145       |
| 38 | Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.   | 1.4 | 145       |
| 39 | Precision measurement and interpretation of inclusive $W^+W^+$ , $W^+W^-$ . European Physical Journal C, 2017, 77, 367.   | 1.4 | 145       |
| 40 | Measurement of the $t\bar{t}\hat{A}$ production cross-section using $e\hat{A}$ events with $b$ -tagged jets in pp collisions at $\sqrt{s}=7$ and $8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.                      | 1.4 | 143       |
| 41 | ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.   | 1.4 | 138       |
| 42 | Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 137       |
| 43 | 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.   | 1.6 | 136       |
| 44 | Measurement of the Total Cross Section for Hadronic Production by $e^+e^-$ Annihilation at Energies between $2.6\text{--}5\text{ GeV}$ . Physical Review Letters, 2000, 84, 594-597.  | 2.9 | 134       |
| 45 | Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . European Physical Journal C, 2018, 78, 199.   | 1.4 | 132       |
| 46 | Measurement of the $Z\hat{A}$ boson transverse momentum distribution in pp collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 131       |
| 47 | ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13\text{TeV}$ . European Physical Journal C, 2019, 79, 1.  | 1.4 | 130       |
| 48 | Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s}=8\text{TeV}$ proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.                                | 1.6 | 128       |
| 49 | Search for charged Higgs bosons decaying via $H\hat{A}\hat{A}$ in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 126       |
| 50 | Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 995.   | 1.4 | 125       |
| 51 | Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s}=13\text{TeV}$ pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1.      | 1.4 | 124       |
| 52 | Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 349.                            | 1.4 | 123       |
| 53 | Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.   | 1.4 | 121       |
| 54 |   |     |           |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Search for a light charged Higgs boson in the decay channel $H^{+} \rightarrow c\bar{c}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2465.       | 1.4 | 119       |
| 56 | Observation of a Fourth Upsilon State in $e^{+}e^{-}$ Annihilations. Physical Review Letters, 1980, 45, 219-221.  | 2.9 | 117       |
| 57 | Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 116       |
| 58 | Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 $\text{fb}^{-1}$ of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 116       |
| 59 | Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538.                                  | 1.4 | 115       |
| 60 | Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. European Physical Journal C, 2011, 71, 1.   | 1.4 | 114       |
| 61 |   |     |           |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Search for heavy ZZ resonances in the $e^+e^-e^+e^-$ $\gamma\gamma$ , $\gamma\gamma$ - $\gamma\gamma$ , $\gamma\gamma$ - and $e^+e^-e^+e^-$ $\gamma\gamma$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293. | 1.4 | 101       |
| 74 | Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.   | 1.4 | 100       |
| 75 | The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.  | 1.4 | 95        |
| 76 | Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.  | 1.4 | 95        |
| 77 | Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.   | 1.4 | 95        |
| 78 | Evidence for New-Flavor Production at the $J/\psi(4S)$ . Physical Review Letters, 1981, 46, 84-87.   | 2.9 | 93        |
| 79 | Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.   | 1.4 | 93        |
| 80 | Measurements of the $W$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.   | 1.4 | 92        |
| 81 | Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.   | 1.4 | 90        |
| 82 | Observation of Exclusive Decay Modes of b-Flavored Mesons. Physical Review Letters, 1983, 50, 881-884.   | 2.9 | 89        |
| 83 | Partial-wave analysis of $J/\psi \rightarrow K_S^0 K^{\pm} K^{\mp}$ . Physical Review Letters, 1990, 65, 2507-2510.  | 2.9 | 89        |
| 84 | Measurement of the mass of the $\tau$ , lepton. Physical Review D, 1996, 53, 20-34.  | 1.6 | 89        |
| 85 | Search for the $b\bar{b}\bar{b}$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 89        |
| 86 | Measurement of the mass of the $\tau$ , lepton. Physical Review Letters, 1992, 69, 3021-3024.  | 2.9 | 88        |
| 87 | Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 88        |
| 88 | 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. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 88        |
| 89 | Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.  | 1.4 | 87        |
| 90 | Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.  | 1.4 | 86        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 84        |
| 92  | Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                | 1.6 | 82        |
| 93  | Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 1.  | 1.4 | 82        |
| 94  | ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 81        |
| 95  | Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.                       | 1.4 | 81        |
| 96  | 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.          | 1.4 | 80        |
| 97  | Measurements of $J/\psi$ decays into a vector and a pseudoscalar meson. Physical Review D, 1988, 38, 2695-2705.  | 1.6 | 79        |
| 98  | 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. European Physical Journal C, 2015, 75, 209.                  | 1.4 | 79        |
| 99  | Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.   | 1.4 | 79        |
| 100 | Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565. | 1.4 | 79        |
| 101 | Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.                | 1.6 | 78        |
| 102 | Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.  | 1.4 | 77        |
| 103 | Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.  | 1.4 | 77        |
| 104 | Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.                  | 1.4 | 77        |
| 105 | Angular analysis of $B^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                                      | 1.6 | 76        |
| 106 | Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.   | 1.4 | 75        |
| 107 | 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.                                   | 1.4 | 75        |
| 108 | Search for resonant diboson production in the $\ell\ell \rightarrow q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.           | 1.4 | 74        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Decay of b-Flavored Hadrons to Single-Muon and Dimuon Final States. Physical Review Letters, 1981, 46, 88-91.  | 2.9 | 73        |
| 110 | $D^{\pm} - \bar{A}^{\pm}$ production by $e^+e^-$ annihilation near 34.4 GeV cm energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 126, 493-498.   | 1.5 | 73        |
| 111 | Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.  | 1.4 | 73        |
| 112 | Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 73        |
| 113 | Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.  | 1.4 | 73        |
| 114 | Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.   | 1.4 | 73        |
| 115 | Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.  | 1.4 | 72        |
| 116 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 71        |
| 117 | Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 71        |
| 118 | Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 71        |
| 119 | Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.   | 1.4 | 71        |
| 120 | Resonant substructure in $K^0$ decays of charmed D mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 196, 107-112.   | 1.5 | 70        |
| 121 | Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.   | 1.4 | 70        |
| 122 | Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 70        |
| 123 | Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ , $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau} \nu_{\tau}$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 69        |
| 124 | Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.  | 1.4 | 68        |
| 125 | Search for new resonances in mass distributions of jet pairs using 139 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 68        |
| 126 | Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 67        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.                         | 1.4 | 67        |
| 128 | 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.   | 1.6 | 67        |
| 129 | Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.     | 1.6 | 66        |
| 130 | A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 66        |
| 131 | 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.  | 1.4 | 66        |
| 132 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.                 | 1.6 | 65        |
| 133 | Measurement of the $W\gamma$ and $Z\gamma$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.  | 1.6 | 64        |
| 134 | Measurement of isolated-photon pair production in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 64        |
| 135 | Observation and measurements of the production of prompt and non-prompt $\psi(2S)$ mesons in association with a $Z$ boson in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229. | 1.4 | 64        |
| 136 | Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 64        |
| 137 | Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.  | 1.4 | 64        |
| 138 | Measurement of the differential cross-sections of prompt and non-prompt production of $\psi(2S)$ and $\psi(1S)$ in $pp$ collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.     | 1.4 | 63        |
| 139 | Performance of the ATLAS muon trigger in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.   | 1.4 | 62        |
| 140 | Identification of boosted, hadronically decaying $W$ bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.  | 1.4 | 62        |
| 141 | Measurement of $R$ and search for the top quark in $e^+e^-$ annihilation between 39.8 and 45.2 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 138, 441-448.                               | 1.5 | 61        |
| 142 | First measurement of the left-right cross section asymmetry in $Z$ boson production by $e^+e^-$ collisions. Physical Review Letters, 1993, 70, 2515-2520.   | 2.9 | 61        |
| 143 | Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.   | 1.4 | 61        |
| 144 | Measurement of $ZZ$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $ZZZ$ and $ZZ\gamma$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.                                  | 1.6 | 61        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 1.   | 1.4 | 61        |
| 146 | Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.                                     | 1.4 | 61        |
| 147 | Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.                                      | 1.4 | 61        |
| 148 | Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $5.02 \text{ TeV}$ Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.                                   | 1.4 | 61        |
| 149 | Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.   | 1.4 | 61        |
| 150 | $\psi(2S)$ decay distributions. Physical Review D, 2000, 62, .  | 1.6 | 60        |
| 151 | Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.   | 1.4 | 60        |
| 152 | Summary of the searches for squarks and gluinos using $\sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 60        |
| 153 | Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8 \text{ TeV}$ pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 60        |
| 154 | Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} / d\bar{d} / s\bar{s} / c\bar{c} / b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.               | 1.4 | 60        |
| 155 | Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 199.     | 1.4 | 60        |
| 156 | Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.   | 1.4 | 60        |
| 157 | A detailed study of strange particle production in $e^+e^-$ annihilation at high energy. Zeitschrift für Physik C-Particles and Fields, 1985, 27, 27-37.  | 1.5 | 59        |
| 158 | Measurement of the hadronic structure of semileptonic $D^0$ and $D^+$ decays. Physical Review Letters, 1991, 66, 1011-1014.   | 2.9 | 59        |
| 159 | Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.  | 1.4 | 59        |
| 160 | Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 59        |
| 161 | Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                                   | 1.6 | 59        |
| 162 | Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                                  | 1.6 | 59        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 163 | 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.   | 1.4 | 59        |
| 164 | Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ , in the $\tau^{\pm} + \text{jets}$ and $\tau^{\pm} + \text{lepton}$ final states with 36 fb $^{-1}$ of pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 59        |
| 165 | Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.   | 1.4 | 58        |
| 166 | Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 57        |
| 167 | Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.  | 1.4 | 56        |
| 168 | Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.   | 1.4 | 56        |
| 169 | Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.   | 1.4 | 56        |
| 170 | Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 56        |
| 171 | Search for direct top squark pair production in events with a Z boson, b-jets and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.  | 1.4 | 55        |
| 172 | Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 55        |
| 173 | Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 55        |
| 174 | Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 54        |
| 175 | Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 54        |
| 176 | Measurements of fiducial cross-sections for $t\bar{t}\hat{A}^{-}$ production with one or two additional b-jets in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.   | 1.4 | 54        |
| 177 | Measurement of the inclusive decay properties of charmed mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 263, 135-140.   | 1.5 | 53        |
| 178 | Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb $^{-1}$ of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 53        |
| 179 | Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 53        |
| 180 | Search for Higgs boson pair production in the $\gamma\gamma WW^{\pm}\hat{A}^{-}$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.   | 1.4 | 53        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 181 | Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 52        |
| 182 | Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 52        |
| 183 | Search for lepton-flavour-violating $H \rightarrow \tau \mu$ , decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 52        |
| 184 | Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.   | 1.4 | 52        |
| 185 | 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. European Physical Journal C, 2018, 78, 154.   | 1.4 | 52        |
| 186 | Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.   | 1.4 | 51        |
| 187 | Measurement of the top quark mass with the template method in the $t \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.   | 1.4 | 51        |
| 188 | Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z^{\prime}$ boson in the $\text{au au}$ , $\tau \tau$ , final state produced in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585. | 1.4 | 51        |
| 189 | Measurement of the charged-particle multiplicity inside jets from $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.  | 1.4 | 51        |
| 190 | Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. European Physical Journal C, 2017, 77, 379.  | 1.4 | 51        |
| 191 | Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{\text{NN}}}=5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.   | 1.4 | 51        |
| 192 | Search for the decay $D \rightarrow \tau \mu$ and an upper limit on the pseudoscalar decay constant. Physical Review Letters, 1988, 60, 1375-1378.   | 2.9 | 50        |
| 193 | Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.  | 1.4 | 50        |
| 194 | Search for direct top squark pair production in final states with two leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.  | 1.4 | 50        |
| 195 | Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions at. European Physical Journal C, 2018, 78, 401.   | 1.4 | 50        |
| 196 | Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 50        |
| 197 | Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 49        |
| 198 | Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s}=13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 49        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 199 | Charged-Particle Multiplicities in B-Meson Decay. Physical Review Letters, 1982, 49, 357-360.  | 2.9 | 48        |
| 200 | Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 48        |
| 201 | Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.  | 1.4 | 48        |
| 202 | Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.   | 1.4 | 48        |
| 203 | Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using $36 \text{ fb}^{-1}$ of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 48        |
| 204 | Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 47        |
| 205 | Measurements of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 361.   | 1.4 | 47        |
| 206 | Measurement of the top quark mass in the $t \rightarrow t \bar{t} \hat{t}$ . European Physical Journal C, 2019, 79, 1.   | 1.4 | 47        |
| 207 | Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.  | 1.4 | 46        |
| 208 | Study of the rare decays of $B^0 \rightarrow B^0 \mu \mu$ and $B^0 \rightarrow B^0 \mu \mu$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.  | 1.4 | 46        |
| 209 | Measurement of the Higgs boson coupling properties in the $H \rightarrow Z \bar{t} t$ decay channel at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 46        |
| 210 | Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.   | 1.4 | 46        |
| 211 | Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 46        |
| 212 | Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1.                               | 1.6 | 45        |
| 213 | Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 1.   | 1.4 | 45        |
| 214 | Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.  | 1.4 | 45        |
| 215 | Measurement of the $t \bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.   | 1.4 | 45        |
| 216 | Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8 \text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 217 | Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                                  | 1.6 | 45        |
| 218 | Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |
| 219 | Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |
| 220 | 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.                                      | 1.6 | 45        |
| 221 | Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 44        |
| 222 | Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ , $H \rightarrow \tau \nu$ decay mode in $\sqrt{s} = 7, 8$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.                    | 1.6 | 43        |
| 223 | Search for charged Higgs bosons in the $H^{\pm} \rightarrow t \bar{b}$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.                                      | 1.6 | 43        |
| 224 | Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.   | 1.4 | 43        |
| 225 | Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.   | 1.4 | 43        |
| 226 | Observation of F meson production in high energy $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 136, 130-134.   | 1.5 | 42        |
| 227 | Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 42        |
| 228 | Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 42        |
| 229 | Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.  | 1.4 | 42        |
| 230 | Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.   | 1.4 | 42        |
| 231 | Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.                 | 1.4 | 41        |
| 232 | Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                                | 1.6 | 41        |
| 233 | Measurement of the production and lepton charge asymmetry of $W$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.   | 1.4 | 41        |
| 234 | Measurement of the $t \bar{t} Z$ and $t \bar{t} W$ production cross sections in multilepton final states using 3.2 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40. | 1.4 | 41        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 235 | Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.  | 1.4 | 41        |
| 236 | Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.  | 1.4 | 41        |
| 237 | Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.   | 1.4 | 40        |
| 238 | A search for $t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 40        |
| 239 | Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.   | 1.4 | 40        |
| 240 | Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                                 | 1.6 | 40        |
| 241 | Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 40        |
| 242 | Study of the $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \hat{+} J/\psi D_s^+$ and $B_c^+ \rightarrow J/\psi D_s^+ B_c^+ \hat{-} J/\psi D_s^+$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 4.   | 1.4 | 40        |
| 243 | Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 40        |
| 244 | Measurements of b-jet tagging efficiency with the ATLAS detector using $t$ events at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 40        |
| 245 | Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using $139 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 40        |
| 246 | Measurement of the photon structure function $F_2^{\gamma}$ at $Q^2$ from 7 to 70 $(\text{GeV}/c)^2$ . Zeitschrift für Physik C-Particles and Fields, 1986, 31, 527-535.   | 1.5 | 39        |
| 247 | Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.  | 1.4 | 39        |
| 248 | Search for flavour-changing neutral current top-quark decays to $qZ$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 12.  | 1.4 | 39        |
| 249 | Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 87.  | 1.4 | 39        |
| 250 | Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 39        |
| 251 | Inclusive electron production from heavy quarks in $e^+e^-$ annihilation at 34.6 GeV center of mass energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 146, 443-449.  | 1.5 | 38        |
| 252 | Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 38        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 253 | Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 38        |
| 254 | 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.                    | 1.6 | 38        |
| 255 | Search for Higgs boson pair production in the $\gamma\gamma$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 38        |
| 256 | Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 1.4 | 38        |
| 257 | An improved measurement of electroweak couplings from $e^+e^- \rightarrow e^+\gamma^*e^- + e^-\gamma^*e^+$ and $e^+e^- \rightarrow e^+\gamma^*\gamma^*e^- + e^-\gamma^*\gamma^*e^+$ . Zeitschrift für Physik C-Particles and Fields, 1984, 22, 13-21. | 1.5 | 37        |
| 258 | A study of 3-jet events in $e^+e^-$ annihilation into hadrons at 34.6 GeV c.m. energy. Zeitschrift für Physik C-Particles and Fields, 1985, 29, 29-40.  | 1.5 | 37        |
| 259 | Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.   | 1.4 | 37        |
| 260 | 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.  | 1.4 | 37        |
| 261 | Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.  | 1.4 | 37        |
| 262 | Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                              | 1.6 | 37        |
| 263 | Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.   | 0.5 | 37        |
| 264 | Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.                  | 1.6 | 37        |
| 265 | Production and muonic decay of heavy quarks in $e^+e^-$ annihilation at 34.5 GeV. Zeitschrift für Physik C-Particles and Fields, 1984, 22, 219-229.   | 1.5 | 36        |
| 266 | Bose-Einstein correlations observed in $e^+e^-$ annihilation at a centre of mass energy of 34 GeV. Zeitschrift für Physik C-Particles and Fields, 1986, 30, 355-369.  | 1.5 | 36        |
| 267 | Direct Measurement of the Pseudoscalar Decay Constant, $f_D$ s. Physical Review Letters, 1995, 74, 4599-4602.   | 2.9 | 36        |
| 268 | Study of the hadronic decays of $\eta'$ states. Physical Review D, 1999, 60, .  | 1.6 | 36        |
| 269 | ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.  | 1.4 | 36        |
| 270 | Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 36        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 271 | Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.   | 1.4 | 36        |
| 272 | Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 36        |
| 273 | Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 36        |
| 274 | Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2015, 75, 362.  | 1.4 | 36        |
| 275 | 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. | 1.6 | 36        |
| 276 | Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.                                     | 1.4 | 36        |
| 277 | Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 36        |
| 278 | Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.                                    | 1.4 | 36        |
| 279 | Observation of production in $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 130, 340-344.   | 1.5 | 35        |
| 280 | Measurement of the Leptonic Branching Ratios of the $\Upsilon(1S)$ , $\Upsilon(2S)$ , and $\Upsilon(3S)$ . Physical Review Letters, 1983, 50, 807-810.  | 2.9 | 35        |
| 281 | Determination of the average lifetime of bottom hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 149, 524-532.  | 1.5 | 35        |
| 282 | Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                         | 1.6 | 35        |
| 283 | Measurement of the production cross section of prompt $J/\psi$ mesons in association with a W $\pm$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                              | 1.6 | 35        |
| 284 | Search for $W \rightarrow tb \rightarrow qqbb$ $W \rightarrow t\bar{t} b \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.   | 1.4 | 35        |
| 285 | Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb $^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 35        |
| 286 | Search for $B \rightarrow K^* \ell^+ \ell^-$ decays at the BaBar Experiment. Physical Review Letters, 2017, 118, 031802.  | 2.9 | 35        |
| 287 | Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.  | 1.4 | 35        |
| 288 | Inclusive Charged $e^+e^-$ Annihilations at $W = 10.4$ GeV. Physical Review Letters, 1982, 49, 610-613.   | 2.9 | 34        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 289 | A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 34        |
| 290 | Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.  | 1.4 | 34        |
| 291 | Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t}+jets$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.                                      | 1.4 | 34        |
| 292 | 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. | 1.4 | 34        |
| 293 | Measurement of the Branching ratio $\mathcal{B}(Z \rightarrow \tau^+ \tau^- \nu \bar{\nu})$ . Physical Review Letters, 1981, 46, 1181-1184.  | 2.9 | 33        |
| 294 | Partial-wave analysis of $J/\psi \rightarrow \tau^+ \tau^- \nu \bar{\nu}$ . Physical Review Letters, 1992, 69, 1328-1331.  | 2.9 | 33        |
| 295 | Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 33        |
| 296 | Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.  | 1.4 | 33        |
| 297 | Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 33        |
| 298 | Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 33        |
| 299 | Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 33        |
| 300 | Measurements of $J/\psi$ and $\chi(3872) \rightarrow J/\psi + \tau^+ \tau^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 33        |
| 301 | Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 33        |
| 302 | Determination of $\Gamma_{\pm}$ in first and second order QCD from $e^+ e^-$ annihilation into hadrons. Zeitschrift für Physik C-Particles and Fields, 1984, 26, 157-174.  | 1.5 | 32        |
| 303 | Search for two-photon production of resonances decaying into $K_S^0 K_S^0$ and $K_S^0 K_S^0 \pi^0$ . Zeitschrift für Physik C-Particles and Fields, 1985, 29, 189-196.   | 1.5 | 32        |
| 304 | Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 32        |
| 305 | Measurement of $c_1$ and $c_2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 32        |
| 306 | Determination of the strong coupling constant $\alpha_s$ from transverse energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.   | 1.4 | 32        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 307 | Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow b\bar{b}$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.                                   | 1.4 | 32        |
| 308 | Decay of B Mesons into Charged and Neutral Kaons. Physical Review Letters, 1982, 48, 1070-1074.  | 2.9 | 31        |
| 309 | Study of the P-Wave Charmonium State $\psi(2S)$ Decays. Physical Review Letters, 1998, 81, 3091-3095.  | 2.9 | 31        |
| 310 | Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 900$ GeV and $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.        | 1.4 | 31        |
| 311 | Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.                                 | 1.4 | 31        |
| 312 | Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 31        |
| 313 | Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.   | 1.4 | 31        |
| 314 | A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 31        |
| 315 | 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. | 1.6 | 31        |
| 316 | Search for supersymmetry in final states with two same-sign or three leptons and jets using $36 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.    | 1.6 | 31        |
| 317 | Search for $W^+W^-/ZZ$ resonance production in $\ell^+\ell^-qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 31        |
| 318 | 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.   | 1.6 | 31        |
| 319 | Semileptonic decays of B mesons. Physical Review D, 1983, 27, 475-485.   | 1.6 | 30        |
| 320 | Measurement of the radiative width of the $\hat{\Gamma}(958)$ in two-photon interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 487-492.                                      | 1.5 | 30        |
| 321 | Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.                                  | 1.4 | 30        |
| 322 | Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.       | 1.6 | 30        |
| 323 | 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.   | 1.6 | 30        |
| 324 | Charged-particle distributions in pp interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.  | 1.4 | 30        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 325 | Searches for the $Z\tilde{\nu}^3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 30        |
| 326 | Study of $WW\gamma W W \tilde{\nu}^3$ and $WZ\gamma W Z$ . European Physical Journal C, 2017, 77, 646.  | 1.4 | 30        |
| 327 | Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 30        |
| 328 | Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 30        |
| 329 | Evidence for $t\bar{t}$ production in the multilepton final state in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 30        |
| 330 | Particle correlation observed in $e^+e^-$ annihilations into hadrons at c.m. Energies between 29 and 37 GeV. Zeitschrift für Physik C-Particles and Fields, 1985, 29, 347-359.  | 1.5 | 29        |
| 331 | Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 29        |
| 332 | 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. European Physical Journal C, 2017, 77, 26.   | 1.4 | 29        |
| 333 | 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.   | 1.6 | 29        |
| 334 | 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.  | 1.6 | 29        |
| 335 | Searches for heavy ZZ and ZW resonances in the $\tilde{\nu}, \tilde{\nu}, q\bar{q}$ and $\tilde{\nu}\tilde{\nu}^2 q\bar{q}$ final states in pp collisions at $\sqrt{s}=13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 29        |
| 336 | 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.   | 1.4 | 29        |
| 337 | Properties of charm jets produced in $e^+e^-$ annihilation near 34 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 135, 243-249.   | 1.5 | 28        |
| 338 | A measurement of $\tilde{\chi}(2S)$ resonance parameters. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 550, 24-32.   | 1.5 | 28        |
| 339 | Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $s = 7 \sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 28        |
| 340 | Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.   | 1.4 | 28        |
| 341 | Measurement of $WW/WZ \rightarrow \ell u q q^{\prime} W W / W Z \tilde{\nu}^2$ , $\tilde{\nu}^2 q q \rightarrow \ell^2$ 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. | 1.4 | 28        |
| 342 | 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.  | 1.6 | 28        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 343 | Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow \gamma\gamma \rightarrow 4b$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 28        |
| 344 | Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. <i>European Physical Journal C</i> , 2019, 79, 1.   | 1.4 | 28        |
| 345 | In situ calibration of large-radius jet energy and mass in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.  | 1.4 | 28        |
| 346 | Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.  | 1.6 | 28        |
| 347 | Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.   | 1.4 | 28        |
| 348 | 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.   | 1.4 | 28        |
| 349 | Search for axion production in $\eta$ decay. <i>Physical Review D</i> , 1983, 27, 1665-1667.  | 1.6 | 27        |
| 350 | Measurement of the $D^0$ branching ratios. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1988, 208, 152-156.  | 1.5 | 27        |
| 351 | Direct measurement of the $J/\psi$ leptonic branching fraction. <i>Physical Review Letters</i> , 1992, 68, 282-285.   | 2.9 | 27        |
| 352 | Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. <i>European Physical Journal C</i> , 2015, 75, 407.  | 1.4 | 27        |
| 353 | Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.                       | 1.6 | 27        |
| 354 | Measurements of top-quark pair differential cross-sections in the $t\bar{t} \rightarrow e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 292.   | 1.4 | 27        |
| 355 | 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.                            | 1.4 | 27        |
| 356 | 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.   | 1.6 | 27        |
| 357 | 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.  | 1.6 | 27        |
| 358 | Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6 | 27        |
| 359 | Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 474.  | 1.4 | 26        |
| 360 | Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $\ell\ell\gamma\gamma$ and $\ell\ell WW$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.                                | 1.4 | 26        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 361 | Measurement of the Branching Ratio of $\Upsilon(3S) \rightarrow \Upsilon(1S) + \text{gluons}$ . Physical Review Letters, 1982, 49, 617-620.   | 2.9 | 25        |
| 362 | Study of the doubly radiative decay $\Upsilon(3S) \rightarrow \Upsilon(1S) + \gamma + \gamma$ . Physical Review D, 1990, 41, 1410-1413.   | 1.6 | 25        |
| 363 | Search for a vector glueball by a scan of the $\Upsilon$ -resonance. Physical Review D, 1996, 54, 1221-1224.  | 1.6 | 25        |
| 364 | A search for $\text{star}\{t\}$ resonances with the ATLAS detector in $2.05 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2083.                                 | 1.4 | 25        |
| 365 | Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.                             | 1.4 | 25        |
| 366 | Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 25        |
| 367 | Determination of the top-quark pole mass using $t \bar{t} + 1\text{-jet}$ events collected with the ATLAS experiment in $7 \text{ TeV}$ pp collisions. Journal of High Energy Physics, 2015, 2015, 1.                                 | 1.6 | 25        |
| 368 | Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 25        |
| 369 | 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.  | 1.4 | 25        |
| 370 | Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.   | 1.4 | 25        |
| 371 | A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.  | 1.4 | 25        |
| 372 | Photon pair production by $e^+e^-$ annihilation and search for supersymmetric photinos at energies greater than $40 \text{ GeV}$ . Zeitschrift für Physik C-Particles and Fields, 1984, 26, 337-342.                                  | 1.5 | 24        |
| 373 | 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 $13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 605. | 1.4 | 24        |
| 374 | Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions. European Physical Journal C, 2016, 76, 517.  | 1.4 | 24        |
| 375 | Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.                               | 1.4 | 24        |
| 376 | Extraction of form Factors from a Four-Dimensional Angular Analysis of $B \rightarrow D^* \ell \bar{\nu}_\ell$ . Physical Review Letters, 2019, 123, 091801.  | 2.9 | 24        |
| 377 | Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 1.4 | 24        |
| 378 | Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 24        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 379 | Determination of $\Gamma(\tilde{l} \rightarrow l \gamma)$ leptonic branching fraction via $\tilde{l} \rightarrow (2S) \hat{t} \tilde{l} \epsilon + \tilde{l} \hat{c} \tilde{l} \nu$ . Physical Review D, 1998, 58, .  | 1.6 | 23        |
| 380 | Commissioning of the ATLAS Muon Spectrometer with $\hat{A}$ cosmic $\hat{A}$ rays. European Physical Journal C, 2010, 70, 875-916.  | 1.4 | 23        |
| 381 | A measurement of the ratio of the production cross sections for $W^+W^-$ and $ZZ$ bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.   | 1.4 | 23        |
| 382 | Measurement of the underlying event in jet events from $7 \hat{A} \text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.  | 1.4 | 23        |
| 383 | A search for high-mass resonances decaying to $\tilde{l}, \tilde{l}, \hat{a}^{\nu}$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 23        |
| 384 | Measurement of three-jet production cross-sections in pp collisions at $7 \hat{A} \text{ TeV}$ centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.  | 1.4 | 23        |
| 385 | Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 541.  | 1.4 | 23        |
| 386 | Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 23        |
| 387 | 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 $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2021, 2021, 1.                       | 1.6 | 23        |
| 388 | AtFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.   | 1.3 | 23        |
| 389 | $\tilde{l} \rightarrow (2S)$ Hadronic Decays to Vector-Tensor Final States. Physical Review Letters, 1998, 81, 5080-5084.   | 2.9 | 22        |
| 390 | Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.   | 1.4 | 22        |
| 391 | Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.   | 1.4 | 22        |
| 392 | Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 22        |
| 393 | Measurement of the $t \bar{t} W$ and $t \bar{t} Z$ production cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 22        |
| 394 | Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 22        |
| 395 | Search for pair production of heavy vector-like quarks decaying into high- $p_T$ W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.    | 1.6 | 22        |
| 396 | Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.         | 1.4 | 22        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 397 | Measurements of top-quark pair spin correlations in the $e\mu e$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 22        |
| 398 | Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.                                    | 1.6 | 22        |
| 399 | Differential cross sections for in the CM energy range from 2.0 to 3.1 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 130, 449-453.  | 1.5 | 21        |
| 400 | Determination of the $\tau$ , lifetime in high energy $e+e^-$ annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 141, 264-270.   | 1.5 | 21        |
| 401 | A study of Bhabha scattering at PETRA energies. Zeitschrift für Physik C-Particles and Fields, 1988, 37, 171-177.  | 1.5 | 21        |
| 402 | Measurements of the mass and full-width of the $\psi(3700)$ meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 555, 174-180.   | 1.5 | 21        |
| 403 | Measurement of $\tau$ , polarization in $W \rightarrow \tau \nu_\tau$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7-13$ TeV. European Physical Journal C, 2012, 72, 2062.   | 1.4 | 21        |
| 404 | Measurement of the production cross-section of $\psi(2S) \rightarrow J/\psi (\psi \rightarrow e^+e^-) \psi(2S) \rightarrow J/\psi (\psi \rightarrow e^+e^-)$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 21        |
| 405 | Determination of spin and parity of the Higgs boson in the $WW \rightarrow e \mu \nu e \nu$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.   | 1.4 | 21        |
| 406 | The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.   | 1.4 | 21        |
| 407 | Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.              | 1.6 | 21        |
| 408 | Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 21        |
| 409 | Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, .  | 1.4 | 21        |
| 410 | Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.                                      | 1.4 | 21        |
| 411 | A study of energy-energy correlations between 12 and 46.8 GeV c.m. energies. Zeitschrift für Physik C-Particles and Fields, 1987, 36, 349-361.   | 1.5 | 20        |
| 412 | Evidence for the leptonic decay $\psi(3700) \rightarrow e^+e^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 429, 188-194.  | 1.5 | 20        |
| 413 | Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 20        |
| 414 | Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 20        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 415 | 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.   | 1.6 | 20        |
| 416 | 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.  | 1.4 | 20        |
| 417 | Search for diboson resonances in hadronic final states in $139 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 20        |
| 418 | Evidence for local compensation of baryon number in $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 139, 126-132.  | 1.5 | 19        |
| 419 | Measurement of the charged multiplicity of $Z0\hat{t}^+\text{bb}^{\hat{-}}$ events. Physical Review Letters, 1994, 72, 3145-3149.   | 2.9 | 19        |
| 420 | Search for charged Higgs bosons through the violation of lepton universality in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.                                     | 1.6 | 19        |
| 421 | Measurement of $k_T$ splitting scales in $W\hat{t}^+\hat{a}, \hat{t}^{\hat{1}/2}$ events at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.  | 1.4 | 19        |
| 422 | Search for flavour-changing neutral current top quark decays $t\hat{t}^+\text{Hq}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.  | 1.6 | 19        |
| 423 | Addendum to $\hat{t}$ Measurement of the $t\bar{t}$ production cross-section using $e^+e^-$ events with b-tagged jets in pp collisions at $\sqrt{s}=7$ and $8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 1.               | 1.4 | 19        |
| 424 | Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 19        |
| 425 | Probing lepton flavour violation via neutrinoless $\nu\bar{\nu} \rightarrow 3\mu$ , $\nu\bar{\nu} \rightarrow 3e$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.   | 1.4 | 19        |
| 426 | 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. | 1.4 | 19        |
| 427 | Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.   | 1.4 | 19        |
| 428 | Search for top-quark decays $t\hat{t}^+\text{Hq}$ with $36 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 19        |
| 429 | Search for squarks and gluinos in final states with same-sign leptons and jets using $139 \text{ fb}^{-1}$ of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 19        |
| 430 | Measurement of light-by-light scattering and search for axion-like particles with $2.2 \text{ nb}^{-1}$ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 19        |
| 431 | Ruling out exotic models of b quark decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 122, 317-321.  | 1.5 | 18        |
| 432 | Measurement of the Branching Fraction of the Decay $\tilde{\chi}^0(1S)\hat{t}^+\hat{t}, \hat{t}, \hat{t}^+$ . Physical Review Letters, 1983, 50, 877-880.   | 2.9 | 18        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 433 | Experimental test of the flavor independence of the quark-gluon coupling constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 138, 317-324.  | 1.5 | 18        |
| 434 | Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.  | 1.6 | 18        |
| 435 | Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.        | 1.4 | 18        |
| 436 | Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tau\tau$ , in $s = 13 \sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                                     | 1.6 | 18        |
| 437 | Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 18        |
| 438 | Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 18        |
| 439 | Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.                                       | 1.6 | 18        |
| 440 | The production and decay of Tau leptons in $e^+e^-$ annihilation at PETRA energies. Zeitschrift für Physik C-Particles and Fields, 1985, 26, 521-530.   | 1.5 | 17        |
| 441 | A search for the lepton family number violating decay $D^0 \rightarrow \tau^+ \tau^- e$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 193, 147-150.   | 1.5 | 17        |
| 442 | Measurement of $\sigma_{\tau\tau}$ from jet rates at the Z0 resonance. Physical Review Letters, 1993, 71, 2528-2532.  | 2.9 | 17        |
| 443 | $\Upsilon(2S)$ two- and three-body hadronic decays. Physical Review D, 2003, 67, .  | 1.6 | 17        |
| 444 | Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.  | 1.4 | 17        |
| 445 | Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 17        |
| 446 | Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 17        |
| 447 | Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $s = 7 \sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 17        |
| 448 | Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 158.  | 1.4 | 17        |
| 449 | Identification of high transverse momentum top quarks in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 17        |
| 450 | Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                                 | 1.6 | 17        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 451 | 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.                                 | 1.6 | 17        |
| 452 | 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.   | 1.6 | 17        |
| 453 | Direct top-quark decay width measurement in the $\mathbf{\bar{t} \rightarrow t \hat{A}^-}$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.                           | 1.4 | 17        |
| 454 | Search for flavour-changing neutral current top-quark decays $\bar{t} \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                      | 1.6 | 17        |
| 455 | 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.  | 1.6 | 17        |
| 456 | Measurements of W and Z boson production in pp collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 1.4 | 17        |
| 457 | Measurement of $W^{\pm}$ boson production in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 1.4 | 17        |
| 458 | Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 17        |
| 459 | Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.                   | 1.6 | 17        |
| 460 | Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.  | 1.4 | 17        |
| 461 | Branching fractions for $\tilde{\tau}(2S) \rightarrow \tau \tilde{\nu}_\tau$ and $\tilde{\tau} \rightarrow \tau \tilde{\nu}_\tau$ . Physical Review D, 1998, 58, .  | 1.6 | 16        |
| 462 | Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. European Physical Journal C, 2012, 72, 1.  | 1.4 | 16        |
| 463 | Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $s = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.                                    | 1.6 | 16        |
| 464 | 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.                                | 1.6 | 16        |
| 465 | Top-quark mass measurement in the all-hadronic $\bar{t} \rightarrow t \hat{A}^-$ decay channel at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 16        |
| 466 | Measurement of colour flow using jet-pull observables in $t \bar{t} \hat{A}^-$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.   | 1.4 | 16        |
| 467 | Search for exclusive Higgs and Z boson decays to $\tilde{\tau} \tilde{\nu}_\tau$ and $\tilde{\tau} \tilde{\nu}_\tau$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 16        |
| 468 | Measurement of differential cross sections and $W^+/W^{\hat{A}^-}$ 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. | 1.6 | 16        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 469 | Dependence of the transverse diffusion of drifting electrons on magnetic field. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 244, 516-520.                   | 0.7 | 15        |
| 470 | Vector meson production in the final state $K + K$ of photon-photon collisions. Zeitschrift für Physik C-Particles and Fields, 1986, 32, 11-19.  | 1.5 | 15        |
| 471 | Observation of $e^+e^- \rightarrow \tau^+ \tau^- D_s^+ D_s^-$ at $\sqrt{s} = 4.14 \text{ GeV}$ . Physical Review Letters, 1987, 58, 2171-2174.   | 2.9 | 15        |
| 472 | Charmonium Decays to Axial-Vector Plus Pseudoscalar Mesons. Physical Review Letters, 1999, 83, 1918-1921.  | 2.9 | 15        |
| 473 | Radiative decay of the $\psi(2S)$ into two pseudoscalar mesons. Physical Review D, 2003, 67, .   | 1.6 | 15        |
| 474 | Search for diphoton events with large missing transverse energy with $36 \text{ pb}^{-1}$ of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.   | 1.4 | 15        |
| 475 | Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 15        |
| 476 | Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.   | 1.4 | 15        |
| 477 | Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 15        |
| 478 | Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 1.   | 1.4 | 15        |
| 479 | Search for $W$ production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.                                       | 1.2 | 15        |
| 480 | Measurement of event-shape observables in $Z \rightarrow e^+ e^- Z \rightarrow \tau^+ \tau^-$ events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.                    | 1.4 | 15        |
| 481 | Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow \tau^+ \tau^-$ with the ATLAS detector at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.       | 1.6 | 15        |
| 482 | Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 15        |
| 483 | Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 15        |
| 484 | Search for scalar resonances decaying into $\tau^+ \tau^-$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.        | 1.6 | 15        |
| 485 | Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.   | 1.4 | 15        |
| 486 | Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 15        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 487 | Search for spinless bosons in $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 154, 236-242.   | 1.5 | 14        |
| 488 | Observation of $f_1(1285)$ in radiative decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 278, 495-498.  | 1.5 | 14        |
| 489 | Measurement of $\Lambda(2S)$ decays to baryon pairs. Physical Review D, 2001, 63, .  | 1.6 | 14        |
| 490 | Search for a heavy neutral particle decaying into an electron and a muon using $1 \text{ fb}^{-1}$ of ATLAS data. European Physical Journal C, 2011, 71, 1.  | 1.4 | 14        |
| 491 | Violation in $\langle \mathcal{P} \rangle$   | 2.9 | 14        |
| 492 | A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.                          | 1.6 | 14        |
| 493 | Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 14        |
| 494 | Measurement of charged-particle distributions sensitive to the underlying event in $\sqrt{s} = 13 \text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.                   | 1.6 | 14        |
| 495 | Studies of $Z\bar{1}^3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                                       | 1.6 | 14        |
| 496 | Measurement of $VH, \text{H} \rightarrow \text{b}\bar{\text{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.            | 1.6 | 14        |
| 497 | Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13 \text{ TeV}$ in ATLAS. European Physical Journal C, 2019, 79, 1.                                | 1.4 | 14        |
| 498 | Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 14        |
| 499 | Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 14        |
| 500 | Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2021, 81, 1.  | 1.4 | 14        |
| 501 | Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.           | 1.6 | 14        |
| 502 | Search for $t\bar{t}$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 14        |
| 503 | Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13 \text{ TeV}$ collected with the ATLAS detector. European Physical Journal C, 2022, 82, .                                       | 1.4 | 14        |
| 504 | Observation of hard processes in collisions of two quasi-real photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 138, 219-224.   | 1.5 | 13        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 505 | Inclusive $\tau^0$ production by $e^+e^-$ annihilation at 34.6 GeV center of mass energy. Zeitschrift für Physik C-Particles and Fields, 1986, 33, 13-22.  | 1.5 | 13        |
| 506 | Measurement of the mass and full width of the $\rho$ -meson. Physical Review D, 2000, 62, .  | 1.6 | 13        |
| 507 | Search for lepton flavor violation process $J/\psi \rightarrow e^+e^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 49-54.   | 1.5 | 13        |
| 508 | Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7\text{ TeV}$ $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 13        |
| 509 | Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in $pp$ collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.                               | 1.4 | 13        |
| 510 | Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.                        | 1.4 | 13        |
| 511 | Search for lepton flavour violation in the $e^+e^-$ continuum with the ATLAS detector in $\sqrt{s} = 7\text{ TeV}$ $pp$ collisions at the LHC. European Physical Journal C, 2012, 72, 2040.  | 1.4 | 13        |
| 512 | The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7\text{ TeV}$ $pp$ collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.  | 1.4 | 13        |
| 513 | Measurement of the CP-violating phase $\beta_s$ and the $B_s^0$ meson decay width difference with $B_s^0 \rightarrow \tau^+ \tau^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 13        |
| 514 | Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 13        |
| 515 | Search for anomalous couplings in the $Wtb$ vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1-46. | 1.6 | 13        |
| 516 | Measurements of top-quark pair to Z-boson cross-section ratios at $\sqrt{s} = 13, 8, 7\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 13        |
| 517 | Search for new phenomena in high-mass final states with a photon and a jet from $pp$ collisions at $\sqrt{s} = 13\text{ TeV}$ . European Physical Journal C, 2018, 78, 102.  | 1.4 | 13        |
| 518 | Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.                 | 1.6 | 13        |
| 519 | Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.                              | 1.4 | 13        |
| 520 | Gating in the ALEPH time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 252, 403-406.  | 0.7 | 12        |
| 521 | A measurement of the $D_s$ lifetime. Zeitschrift für Physik C-Particles and Fields, 1987, 35, 317-321.   | 1.5 | 12        |
| 522 | Observation of $D_s^+ \rightarrow K^+ K^0$ and $D_s^+ \rightarrow K^+ K^0$ and an upper limit on $D_s^+ \rightarrow K^+ K^0$ . Physical Review Letters, 1989, 63, 1211-1214.   | 2.9 | 12        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 523 | Upper limit on the absolute branching fraction for $D_s \rightarrow \tau^+ \nu_\tau$ . Physical Review Letters, 1990, 64, 169-171.   | 2.9 | 12        |
| 524 | Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 12        |
| 525 | Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb <sup>-1</sup> of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 12        |
| 526 | Measurement of the $b\bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.  | 1.4 | 12        |
| 527 | 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 proton-proton collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.     | 1.4 | 12        |
| 528 | 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.   | 1.6 | 12        |
| 529 | Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 12        |
| 530 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1.                | 1.6 | 12        |
| 531 | 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.   | 1.4 | 12        |
| 532 | Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.   | 1.4 | 12        |
| 533 | Search for supersymmetry in events with four or more charged leptons in 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 12        |
| 534 | Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.                                 | 1.4 | 12        |
| 535 | Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.                                  | 1.6 | 12        |
| 536 | Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.  | 1.4 | 12        |
| 537 | 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.  | 1.4 | 12        |
| 538 | A search for particles with magnetic charge produced in $e^+e^-$ annihilations at 543-1543-1543-1 GeV. Zeitschrift für Physik C-Particles and Fields, 1988, 38, 543-550.   | 1.5 | 11        |
| 539 | Direct measurement of the $D_s$ branching fraction to $\tau^+ \nu_\tau$ . Physical Review D, 1995, 52, 3781-3784.  | 1.6 | 11        |
| 540 | Measurement of the inclusive charm cross section at 4.03 GeV and 4.14 GeV. Physical Review D, 2000, 62, .  | 1.6 | 11        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 541 | Measurement of $W\hat{1}^3$ and $Z\hat{1}^3$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 11        |
| 542 | Measurement of four-jet differential cross sections in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.   | 1.6 | 11        |
| 543 | Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.  | 0.5 | 11        |
| 544 | Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683. | 1.4 | 11        |
| 545 | 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.                | 1.4 | 11        |
| 546 | 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.                                    | 1.6 | 11        |
| 547 | Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.                                       | 1.6 | 11        |
| 548 | Upper limits on the production rate of the decuplet baryons $\hat{1}^*$ and $\hat{1}^*$ in $e^+e^-$ annihilation at 34.4 GeV. Zeitschrift für Physik C-Particles and Fields, 1984, 26, 181-190.  | 1.5 | 10        |
| 549 | Ion trapping properties of a synchronously gated time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 239, 192-196.                         | 0.7 | 10        |
| 550 | Resonant substructure in $K^* \rightarrow \rho^0 \pi^0$ decays of D mesons. Physical Review Letters, 1990, 64, 2615-2618.  | 2.9 | 10        |
| 551 | Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 10        |
| 552 | Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.                                    | 1.6 | 10        |
| 553 | Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.   | 1.4 | 10        |
| 554 | Measurement of the $Z \rightarrow u\bar{u}$ 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.              | 1.6 | 10        |
| 555 | Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.   | 1.4 | 10        |
| 556 | Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W\hat{1}^\pm$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1.                                | 1.6 | 10        |
| 557 | Measurement of $J/\psi$ production in association with a $W\hat{1}^\pm$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 10        |
| 558 | Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 10        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 559 | 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 <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 10        |
| 560 | Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 10        |
| 561 | TPC90, a test model for the ALEPH time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 252, 392-398.  | 0.7 | 9         |
| 562 | A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.   | 1.4 | 9         |
| 563 | Measurement of the $\sigma(\text{pp} \rightarrow \gamma \gamma)$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 9         |
| 564 | Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 9         |
| 565 | Measurement of the ZZ production cross section in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV using the ZZ $\rightarrow \gamma \gamma$ , $\gamma \gamma$ , $\gamma \gamma$ , $\gamma \gamma$ and ZZ $\rightarrow \gamma \gamma$ , $\gamma \gamma$ , $\gamma \gamma$ + $1/2 \cdot 1/2 \cdot \hat{A}^{-}$ ZZ $\rightarrow \ell \ell$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 9         |
| 566 | 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.   | 1.6 | 9         |
| 567 | Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at 8 TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 1.4 | 9         |
| 568 | Measurement of the Z $\rightarrow \gamma \gamma$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 9         |
| 569 | Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 1.4 | 9         |
| 570 | Observation of the reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 142, 135-140.   | 1.5 | 8         |
| 571 | Search for $\tilde{\chi}(2S)$ production in $e^+e^-$ annihilations at 4.03 GeV. Physical Review D, 1998, 57, 3854-3859.  | 1.6 | 8         |
| 572 | Measurement of the relative width difference of the B <sup>0</sup> $\rightarrow B^0 \hat{A}^{-}$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 8         |
| 573 | Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s = 13 \sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 8         |
| 574 | 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.  | 1.6 | 8         |
| 575 | Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 8         |
| 576 | First Evidence for $\cos 2\theta$ and Resolution of the Cabibbo-Kobayashi-Maskawa Quark-Mixing Unitarity Triangle Ambiguity. Physical Review Letters, 2018, 121, 261801.   | 2.9 | 8         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 577 | Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 8         |
| 578 | 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.   | 1.4 | 8         |
| 579 | Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 8         |
| 580 | 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.   | 1.6 | 8         |
| 581 | Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 8         |
| 582 | Reconstruction and identification of boosted $d\bar{t}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 8         |
| 583 | Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1. | 1.4 | 8         |
| 584 | Search for the decay $D \rightarrow e^+ e^-$ . Physical Review D, 1988, 37, 2023-2025.   | 1.6 | 7         |
| 585 | Search for the Decay $D \rightarrow \tau^+ \tau^-$ and an Upper Limit on the Pseudoscalar Decay Constant. Physical Review Letters, 1989, 63, 1658-1658.  | 2.9 | 7         |
| 586 | Measurement of $\sigma_{\text{au}}$ , polarisation in $Z/\gamma^* \rightarrow \text{au au}$ . European Physical Journal C, 2018, 78, 163.  | 1.4 | 7         |
| 587 | Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 7         |
| 588 | Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.  | 1.4 | 7         |
| 589 | Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.  | 1.4 | 7         |
| 590 | Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .  | 1.4 | 7         |
| 591 | Studies of wire gain and track distortion near the sector edges of the ALEPH time projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 252, 399-402.                         | 0.7 | 6         |
| 592 | Measurement of the decay $\bar{t} \rightarrow \bar{t} \tau^+ \tau^-$ . Physical Review Letters, 1987, 59, 1527-1529.   | 2.9 | 6         |
| 593 | Direct measurement of $B(D_s \rightarrow \tau^+ \tau^- X)$ . Physical Review D, 1998, 57, 28-32.   | 1.6 | 6         |
| 594 | Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 6         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 595 | Measurement of ZZ production in the $\gamma\gamma$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 6         |
| 596 | Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 6         |
| 597 | Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.   | 1.4 | 6         |
| 598 | Measurement of the radiative width of the $\rho(1320)$ in two-photon interactions. Zeitschrift für Physik C-Particles and Fields, 1986, 31, 537-543.   | 1.5 | 5         |
| 599 | A measurement of the $D^0$ lifetime. Zeitschrift für Physik C-Particles and Fields, 1986, 32, 343-348.   | 1.5 | 5         |
| 600 | Upper limit on $B(\bar{D} \rightarrow \bar{K}^* \ell^+ \ell^-)$ . Physical Review D, 1987, 36, 2185-2187.  | 1.6 | 5         |
| 601 | Search for the decay $D^0 \rightarrow K^* \ell^+ \ell^-$ . Physical Review D, 1989, 40, 906-908.   | 1.6 | 5         |
| 602 | First measurement of the branching fraction of the decay $\bar{D}^* \rightarrow \bar{D}^* \ell^+ \ell^-$ . Physical Review D, 2002, 65, .  | 1.6 | 5         |
| 603 | Measurement of inclusive momentum spectra and multiplicity distributions of charged particles at $\sqrt{s} = 5$ GeV. Physical Review D, 2004, 69, .  | 1.6 | 5         |
| 604 | Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. European Physical Journal C, 2020, 80, 1.  | 1.4 | 5         |
| 605 | A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 5         |
| 606 | Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.  | 1.4 | 5         |
| 607 | Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb $^{-1}$ of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 5         |
| 608 | The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.  | 1.4 | 5         |
| 609 | Measurement of the absolute inclusive leptonic-decay branching fraction of the $D_s$ meson. Physical Review Letters, 1990, 65, 686-689.  | 2.9 | 4         |
| 610 | Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 4         |
| 611 | Measurement of jet activity in top quark events using the $e^+e^-$ final state with two b-tagged jets in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.                        | 1.6 | 4         |
| 612 | Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, .   | 1.4 | 4         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 613 | Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.             | 1.6 | 4         |
| 614 | Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 4         |
| 615 | Search for top squarks in events with a Higgs or Z boson using 139 fb <sup>-1</sup> of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 4         |
| 616 | Measurement of $K_S^0$ and $\Lambda^0$ production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.  | 1.4 | 4         |
| 617 | Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} (\rightarrow \pi^{\pm} \nu_{\pi}) u_{\mu} u_{\mu}$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.                        | 1.4 | 4         |
| 618 | Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 4         |
| 619 | Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 4         |
| 620 | Observation of $D_s^+ \rightarrow K^+ K^0$ and $D_s^+ \rightarrow K^+ K^0 \pi^+$ and an Upper Limit on $D_s^+ \rightarrow K^0 \pi^+$ . Physical Review Letters, 1989, 63, 2858-2858.   | 2.9 | 3         |
| 621 | Measurement of the branching fraction of $D_s$ inclusive semileptonic decay $D_s^+ \rightarrow e^+ X$ . Physical Review D, 1997, 56, 3779-3782.  | 1.6 | 3         |
| 622 | Direct measurement of $B(D \rightarrow \tau^+ \tau^- X)$ and $B(D \rightarrow \tau^+ \tau^- X)$ . Physical Review D, 2000, 62, .   | 1.6 | 3         |
| 623 | Measurement of the $k_t$ splitting scales in $Z \rightarrow \tau^+ \tau^-$ events in pp collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 3         |
| 624 | Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.  | 1.4 | 3         |
| 625 | Measurements of inclusive and differential cross-sections of combined $t\bar{t} \rightarrow \gamma$ and $t\bar{t} \rightarrow W^{\pm} \nu$ production in the $e^{\pm} \nu$ channel at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 3         |
| 626 | Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 3         |
| 627 | Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ , ext {TeV} with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 1.4 | 3         |
| 628 | Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. , 2015, 2015, 1.  |     | 3         |
| 629 | Measurement of b-quark fragmentation properties in jets using the decay $B^{\pm} \rightarrow \tau^{\pm} J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.                              | 1.6 | 3         |
| 630 | Fabrication and use of large ellipsoidal mirrors in colliding beam Cherenkov counters. Nuclear Instruments & Methods, 1980, 169, 397-399.  | 1.2 | 2         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 631 | A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.   | 1.2 | 2         |
| 632 | Measurement of the $D^*(2010)^+\rightarrow D^+ \pi^0$ Mass Difference. Physical Review Letters, 2017, 119, 202003.  | 2.9 | 2         |
| 633 | Measurement of the $t\bar{t}$ production cross-section using $(e\mu)$ events with (b)-tagged jets in (pp) collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector. , 2014, 74, 1.  |     | 2         |
| 634 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $(\sqrt{s}=8\text{--}13)$ TeV with the ATLAS detector. , 2015, 75, 1.  |     | 2         |
| 635 | Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 2         |
| 636 | Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .   | 1.4 | 2         |
| 637 | Direct Measurement of the $\tau$ Leptonic Branching Fraction. Physical Review Letters, 1992, 69, 3689-3689.   | 2.9 | 1         |
| 638 | Performance of a longitudinally-segmented CsI(Tl) array suitable for a detector in a low or medium energy $e^+e^-$ storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 344, 547-557. | 0.7 | 1         |
| 639 | Polyurethane spray coating of aluminum wire bonds to prevent corrosion and suppress resonant oscillations. Journal of Instrumentation, 2016, 11, C03019-C03019.   | 0.5 | 1         |
| 640 | Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36\text{ fb}^{-1}$ of $(\sqrt{s}=13)$ TeV pp collisions with the ATLAS detector. , 2018, 2018, 1.  |     | 1         |
| 641 | Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. , 2015, 75, 1.  |     | 1         |
| 642 | Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $(\sqrt{s}=8, \text{ TeV})$ with the ATLAS detector. , 2016, 76, 1.  |     | 1         |
| 643 | Measurement of the W-boson mass in pp collisions at $(\sqrt{s}=7, \text{ TeV})$ with the ATLAS detector. , 2018, 78, 1.   |     | 1         |
| 644 | Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $(\sqrt{s}=13, \text{ TeV})$ . , 2018, 78, 1.   |     | 1         |
| 645 | Effect of radiation and temperature on resonance properties of polyurethane-coated wire bonds. Journal of Instrumentation, 2017, 12, C04012-C04012.   | 0.5 | 0         |
| 646 | The BES Publications Policy. , 2020, , .  |     | 0         |