Miguel Villaplana Perez

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

607 papers	22,964 citations	72 h-index	115 g-index
618 ext. papers	26,162 ext. citations	4.7 avg, IF	3.82 L-index

#	Paper	IF	Citations
607	Performance of the ATLAS Level-1 topological trigger in Run 2. *European Physical Journal C*, **2022**, 82, 1	4.2	0
606	Search for exotic decays of the Higgs boson into b$$ overline{b} $$ and missing transverse momentum in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2022**, 2022, 1	5.4	0
605	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 13 $$text {TeV}$$ with the ATLAS detector. *European Physical Journal C*, **2022**, 82, 1	4.2	0
604	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb 1 of pp collision data at $$ sqrt{s} $$ = 13 TeV. *Journal of High Energy Physics*, **2022**, 2022, 1	5.4	0
603	AtlFast3: The Next Generation of Fast Simulation in ATLAS. *Computing and Software for Big Science*, **2022**, 6, 1	6	0
602	Measurement of the energy response of the ATLAS calorimeter to charged pions from $$W^{pm }rightarrow tau ^{pm }(rightarrow pi ^{pm }nu _{tau })nu _{tau }$$ events in Run 2 data. *European Physical Journal C*, **2022**, 82, 1	4.2	0
601	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. *European Physical Journal C*, **2022**, 82, 1	4.2	
600	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	4.2	1
599	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using (sqrt{s} = 13hbox { TeV}) proton proton collision data. *European Physical Journal C*, **2021**, 81, 1	4.2	2
598	Measurement of the t(overline{t})t(overline{t}) production cross section in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
597	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	5.4	2
596	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at (sqrt{s} = 13,{text {TeV}}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	7
595	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb 1 of Pb+Pb data with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	5
594	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	5.4	1
593	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	6
592	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
591	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	4.2	5

590	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton−proton collisions. *European Physical Journal C*, **2021**, 81, 1	4.2	2
589	Search for heavy resonances decaying into a pair of Z bosons in the (ell ^+ell ^-ell '^+ell '^-) and (ell ^+ell ^-nu {{bar{nu }}}) final states using 139 (mathrm {fb}^{-1}) of proton−proton collisions at (sqrt{s} = 13,)TeV with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	8
588	Search for new phenomena in final states with b-jets and missing transverse momentum in (sqrt{mathrm{s}}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	6
587	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the (ell ell bb) and (ell ell WW) final states in pp collisions at (sqrt{s}=13) (text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	7
586	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	3
585	Measurements of W+W+ −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	5.4	0
584	Search for charged Higgs bosons decaying into a top quark and a bottom quark at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
583	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	4.2	0
582	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a −lepton in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	6
581	Search for supersymmetry in events with four or more charged leptons in 139 fb−1 of (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	2
580	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W± and Z boson production in association with jets. *Journal of High Energy Physics*, **2021** , 2021, 1	5.4	1
579	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	5.4	0
578	A search for the decays of stopped long-lived particles at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	1
577	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	4.2	13
576	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	5.4	3
575	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb−1 of (sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
574	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	4.2	5
573	Measurements of WH and ZH production in the (H rightarrow bbar{b}) decay channel in pp collisions at (13,text {Te}text {V}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	7

572	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	5.4	5
571	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	0
570	Measurement of single top-quark production in association with a W boson in the single-lepton channel at (sqrt{s} = 8,text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	1
569	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	4.2	11
568	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	4.2	1
567	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	4.2	4
566	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at (sqrt{mathrm{s}}) = 13 TeV using the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	2
565	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	4.2	1
564	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	5.4	0
563	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	5.4	0
562	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	5.4	0
561	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. *European Physical Journal C*, **2021**, 81, 1	4.2	1
560	Configuration and performance of the ATLAS b-jet triggers in Run 2. *European Physical Journal C*, **2021**, 81, 1	4.2	1
559	Measurement of b-quark fragmentation properties in jets using the decay B□ -> J/K□ in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
558	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	5.4	7
557	Higgs boson production cross-section measurements and their EFT interpretation in the (4ell) decay channel at (sqrt{s}=)13 TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	12
556	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	5.4	8
555	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb□ of data collected with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8

554	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	5.4	3
553	Measurement of the Z(→ℓℓ)γ production cross-section in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	2
552	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	4.2	3
551	Transverse momentum and process dependent azimuthal anisotropies in (sqrt{s_{mathrm {NN}}}=8.16) TeV p+Pb collisions with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	7
550	Performance of electron and photon triggers in ATLAS during LHC Run 2. *European Physical Journal C*, **2020**, 80, 1	4.2	30
549	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	4.2	50
548	Search for top squarks in events with a Higgs or Z boson using 139 fb(^{-1}) of pp collision data at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	1
547	Evidence for (tbar{t}tbar{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	4.2	8
546	Search for heavy diboson resonances in semileptonic final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	4
545	Search for light long-lived neutral particles produced in pp collisions at (sqrt{s} = 13~mathrm {TeV}) and decaying into collimated leptons or light hadrons with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	8
544	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	4.2	17
543	Data-centric Graphical User Interface of the ATLAS Event Index Service. *EPJ Web of Conferences*, **2020**, 245, 04036	0.3	
542	Alignment of the ATLAS Inner Detector in Run 2. *European Physical Journal C*, **2020**, 80, 1	4.2	4
541	Determination of jet calibration and energy resolution in proton–proton collisions at (sqrt{s} = 8~hbox {TeV}) using the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	3
540	The ATLAS EventIndex for LHC Run 3. *EPJ Web of Conferences*, **2020**, 245, 04017	0.3	
539	Measurement of J/ψ production in association with a W± boson with pp data at 8 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	4
538	Search for new resonances in mass distributions of jet pairs using 139 fb−1 of pp collisions at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	20
537	Search for (toverline{t}) resonances in fully hadronic final states in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	6

536	Reconstruction and identification of boosted di-τ 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	5.4	3
535	Measurements of inclusive and differential cross-sections of combined (toverline{t}gamma) and tW production in the e channel at 13 TeV with the ATLAS detector. *Journal of High Energy Physics* , **2020**, 2020, 1	5.4	2
534	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
533	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	9
532	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4(ell) decay channel at (sqrt{s}) = 13 TeV. *European Physical Journal C*, **2020**, 80, 1	4.2	9
531	Fluctuations of anisotropic flow in Pb+Pb collisions at (sqrt{{mathrm{s}}_{mathrm{NN}}}) = 5.02 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	13
530	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	4.2	13
529	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	5.4	1
528	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	5.4	2
527	The ATLAS EventIndex and its evolution towards Run 3. *Journal of Physics: Conference Series*, **2020**, 1525, 012056	0.3	
526	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	5.4	5
525	Search for the HH -> (boverline{b}boverline{b}) process via vector-boson fusion production using proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	5
524	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	5.4	5
523	Measurement of the transverse momentum distribution of Drell–Yan lepton pairs in proton–proton collisions at (sqrt{s}=13,)TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	7
522	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	5.4	1
521	Measurements of top-quark pair spin correlations in the (emu) channel at (sqrt{s} = 13) TeV using pp collisions in the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	8
520	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	4.2	11
519	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8

518	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton–proton collision data at (sqrt{s} = 13) (text {TeV}). *European Physical Journal C*, **2019**, 79, 1	4.2	37
517	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	4.2	2
516	Searches for scalar leptoquarks and differential cross-section measurements in dilepton–jet events in proton–proton collisions at a centre-of-mass energy of (varvec{sqrt{s}}) = 13 TeV with the ATLAS experiment. *European Physical Journal C*, **2019**, 79, 1	4.2	15
515	Search for single production of vector-like quarks decaying into Wb in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	14
514	Search for top-quark decays t -> Hq with 36 fb−1 of pp collision data at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	13
513	Measurement of VH, (mathrm{H}to mathrm{b}overline{mathrm{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	5.4	8
512	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	4.2	12
511	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. *European Physical Journal C*, **2019**, 79, 1	4.2	19
510	Measurements of inclusive and differential fiducial cross-sections of (tbar{t}gamma) production in leptonic final states at (sqrt{s}=13~text {TeV}) in ATLAS. *European Physical Journal C*, **2019**, 79, 1	4.2	7
509	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. *Journal of Instrumentation*, **2019**, 14, P03017-P03017	1	25
508	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 58	4.2	20
507	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	5.4	21
506	In situ calibration of large-radius jet energy and mass in 13 TeV proton–proton collisions with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	16
505	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	4.2	26
504	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	5.4	5
503	Measurement of the top quark mass in the (tbar{t}rightarrow) lepton+jets channel from (sqrt{s}=8) TeV ATLAS data and combination with previous results. *European Physical Journal C*, **2019**, 79, 1	4.2	24
502	Search for pair production of Higgs bosons in the (boverline{b}boverline{b}) final state using proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	31
501	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	5.4	31

500	Search for long-lived neutral particles in pp collisions at ({sqrt{s}} = 13~{text { TeV}}) that decay into displaced hadronic jets in the ATLAS calorimeter. *European Physical Journal C*, **2019**, 79, 1	4.2	18
499	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	12
498	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	5.4	7
497	Measurement of (W^{pm }Z) production cross sections and gauge boson polarisation in pp collisions at (sqrt{s} = 13~text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	20
496	Searches for third-generation scalar leptoquarks in (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	18
495	Search for scalar resonances decaying into □□n events with and without b-tagged jets produced in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
494	Search for diboson resonances in hadronic final states in 139 fb□ of pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	10
493	Search for excited electrons singly produced in proton□proton collisions at $$sqrt{s} ~=~13~text {Te}text {V}$$ with the ATLAS experiment at the LHC. *European Physical Journal C*, **2019**, 79,	4.2	3
492	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13□$$text {TeV}$$. *European Physical Journal C*, **2019**, 79,	4.2	11
491	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	4.2	3
490	Measurement of the inclusive isolated-photon cross section in pp collisions at (sqrt{s}) = 13 TeV using 36 fb□ of ATLAS data. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
489	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	4.2	14
488	Measurement of the top-quark mass in (toverline{t}) + 1-jet events collected with the ATLAS detector in pp collisions at (sqrt{s}) = 8 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	12
487	Measurement of fiducial and differential (W^+W^-) production cross-sections at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	16
486	Measurement of ZZ production in the □final state with the ATLAS detector in pp collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
485	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	4.2	2
484	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	4.2	4
483	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	5.4	21

482	Measurement of (W^pm) boson production in Pb+Pb collisions at (sqrt{s_{mathrm{NN}}} = 5.02~text {Te}text {V}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	7
481	ATLAS b-jet identification performance and efficiency measurement with (t{bar{t}}) events in pp collisions at (sqrt{s}=13) TeV. *European Physical Journal C*, **2019**, 79, 1	4.2	43
480	Measurement of flow harmonics correlations with mean transverse momentum in lead□lead and proton□lead collisions at (sqrt{s_{mathrm{NN}}} = 5.02~hbox {TeV}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	16
479	Measurements of top-quark pair differential and double-differential cross-sections in the (ell)+jets channel with pp collisions at (sqrt{s}=13) TeV using the ATLAS detector. *European Physical Journal C* , **2019**, 79, 1	4.2	13
478	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	5.4	7
477	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb□ of pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	81
476	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at (sqrt{s}=13) TeV with ATLAS. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	10
475	Measurement of the -boson mass in pp collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 110	4.2	59
474	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13□TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 102	4.2	7
473	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 154	4.2	23
472	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 142	4.2	35
471	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 171	4.2	35
470	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. *European Physical Journal C*, **2018**, 78, 186	4.2	5
469	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 250	4.2	28
468	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb□ of (sqrt{s}=13) TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	26
467	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 24	4.2	47
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