Marisilvia Donadelli

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.

562 papers	22,895 citations	73 h-index	117 g-index
592 ext. papers	25,950 ext. citations	4.6 avg, IF	2.29 L-index

#	Paper	IF	Citations
562	Performance of the ATLAS Level-1 topological trigger in Run´2. *European Physical Journal C*, **2022**, 82, 1	4.2	0
561	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
560	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
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⁻¹ of pp collision data at $$ sqrt{s} $$ = 13 TeV. *Journal of High Energy Physics*, **2022**, 2022, 1	5.4	0
558	AtlFast3: The Next Generation of Fast Simulation in ATLAS. *Computing and Software for Big Science*, **2022**, 6, 1	6	0
557	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
556	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	
555	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
554	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
553	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
552	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
551	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
550	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
549	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
548	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
547	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
546	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

545	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
544	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
543	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
542	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
541	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
540	Measurements of W+W+ 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
539	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
538	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
537	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
536	Search for supersymmetry in events with four or more charged leptons in 139 fb of (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	2
535	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
534	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
533	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
532	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
531	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
530	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb of (sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
529	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
528	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

527	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
526	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
525	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
524	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
523	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
522	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
521	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
520	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
519	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
518	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
517	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
516	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
515	Configuration and performance of the ATLAS b-jet triggers in Run 2. *European Physical Journal C*, **2021**, 81, 1	4.2	1
514	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
513	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
512	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
511	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb−1 of data collected with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
510	Performance of electron and photon triggers in ATLAS during LHC Run 2. *European Physical Journal C*, **2020**, 80, 1	4.2	30

509	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
508	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
507	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
506	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
505	Alignment of the ATLAS Inner Detector in Run 2. *European Physical Journal C*, **2020**, 80, 1	4.2	4
504	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
503	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
502	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
501	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
500	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
499	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
498	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
497	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
496	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
495	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
494	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
493	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
492	Measurement of two-particle correlations with respect to second- and third-order event planes in Au + Au collisions at sNN=200 GeV. *Physical Review C*, **2019**, 99,	2.7	8

491	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
490	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
489	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
488	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
487	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
486	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
485	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
484	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
483	Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions. *Physical Review Letters*, **2019**, 123, 022301	7.4	13
482	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
481	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
480	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
479	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
478	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
477	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
476	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb−1 of pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	81
475	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
474	Measurement of the -boson mass in pp collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 110	4.2	59

473	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
472	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
471	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
470	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
469	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
468	Search for heavy resonances in the and final states using proton-proton collisions at ´ with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 293	4.2	41
467	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
466	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb⁻¹ of (sqrt{s}=13) TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	26
465	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
464	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. *European Physical Journal C*, **2018**, 78, 129	4.2	11
463	Search for W W/W Z resonance production in ℓνqq final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	22
462	Measurement of the Higgs boson coupling properties in the H -> ZZ* -> 4ℓ decay channel at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	36
461	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	5.4	12
460	Search for dark matter produced in association with bottom or top quarks in TeV collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 18	4.2	32
459	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 199	4.2	55
458	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 163	4.2	3
457	Searches for heavy ZZ and ZW resonances in the ℓνqq and ℓℓqq final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	17
456	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	5.4	23

455	Measurement of differential cross sections and W+/W□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	5.4	7
454	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the H ->aa ->4b channel in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
453	Prompt and non-prompt elliptic flow in Pb+Pb collisions at Tev with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 784	4.2	8
452	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 1007	4.2	21
451	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. *European Physical Journal C*, **2018**, 78, 847	4.2	5
450	Angular analysis of B 0 d -K*□□decays in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	44
449	Low-momentum direct-photon measurement in Cu + Cu collisions at sNN=200GeV. *Physical Review C*, **2018**, 98,	2.7	7
448	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at ´TeV with the ATLAS experiment. *European Physical Journal C*, **2018**, 78, 401	4.2	23
447	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	15
446	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	5.4	4
445	Search for Higgs boson pair production in the (upgamma upgamma boverline{b}) final state with 13 TeV pp collision data collected by the ATLAS experiment. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	23
444	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	21
443	Measurement of the azimuthal anisotropy of charged particles produced in = 5.02´TeV Pb+Pb collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 997	4.2	21
442	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 903	4.2	66
441	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 995	4.2	49
440	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	5.4	39
439	Operation and performance of the ATLAS Tile Calorimeter in Run´1. *European Physical Journal C*, **2018**, 78, 987	4.2	13
438	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	5.4	28

437	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	16
436	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb⁻¹ of (sqrt{s}=13) TeV pp collision data with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	33
435	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	5.4	48
434	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	5.4	9
433	Search for charged Higgs bosons decaying via H± -> τν in the τjets and τlepton 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	5.4	33
432	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. *European Physical Journal C*, **2018**, 78, 762	4.2	23
431	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	5.4	22
430	Search for exclusive Higgs and Z boson decays to J/ψγ and ψγ with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	6
429	Measurements of b-jet tagging efficiency with the ATLAS detector using (toverline{t}) events at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	31
428	Search for flavour-changing neutral current top-quark decays t -> qZ in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	8
427	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 487	4.2	5
426	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at ´with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 565	4.2	34
425	Long-lived two-pion Bose-Einstein correlations in sNN=200 GeV Au+Au collisions. *Physical Review C*, **2018**, 97,	2.7	13
424	Measurement of emission-angle anisotropy via long-range angular correlations with high-pT hadrons in d+Au and p+p collisions at sNN=200 GeV. *Physical Review C*, **2018**, 98,	2.7	3
423	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in ´collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 625	4.2	15
422	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	5.4	101
421	Measurement of the [Formula: see text] and [Formula: see text] production cross sections in multilepton final states using 3.2 fb[Formula: see text] of [Formula: see text] collisions at [Formula: see text] = 13 TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 40	4.2	14
420	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 26	4.2	22

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418	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 220	4.2	5
417	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton´+ ˆjets channel with ATLAS. *European Physical Journal C*, **2017**, 77, 264	4.2	19
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125	Azimuthal anisotropy of π0 and η mesons in Au + Au collisions at sNN=200 GeV. *Physical Review C*, **2013**, 88,	2.7	11
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123	Nuclear modification of η, ω, and J/ψ production in d+Au collisions at sqrt[s(NN)]=200 GeV. *Physical Review Letters*, **2013**, 111, 202301	7.4	73
122	Inclusive cross section and single transverse spin asymmetry for very forward neutron production in polarized p+p collisions at s=200 GeV. *Physical Review D*, **2013**, 88,	4.9	20
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117	Spectra and ratios of identified particles in Au+Au and d+Au collisions at sNN=200 GeV. *Physical Review C*, **2013**, 88,	2.7	85
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110	Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. *European Physical Journal C*, **2012**, 72, 2046	4.2	42
109	Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2012**, 72, 2056	4.2	78
108	Measurement of polarization in ->decays with the ATLAS detector in collisions at [Formula: see text]. *European Physical Journal C*, **2012**, 72, 2062	4.2	17
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105	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	5.4	10
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102	Search for the Standard Model Higgs boson in the H -> decay mode in (sqrt {s} = 7,{mathrm{TeV}}) pp collisions with ATLAS. *Journal of High Energy Physics*, **2012**, 2012, 1	5.4	37
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87	Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector. *European Physical Journal C*, **2012**, 72, 1	4.2	13
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60	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	4.2	37

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46	Measurements of higher order flow harmonics in Au+Au collisions at √s(NN)=200 GeV. *Physical Review Letters*, **2011**, 107, 252301	7.4	213
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39	Heavy-quark production in p + p and energy loss and flow of heavy quarks in Au + Au collisions at sNN=200 GeV. *Physical Review C*, **2011**, 84,	2.7	182
38	Nuclear modification factors of ? mesons in d+Au, Cu+Cu, and Au+Au collisions at sNN=200 GeV. *Physical Review C*, **2011**, 83,	2.7	58
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