

# Jacob Searcy

## List of Publications by Year in descending order

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Version: 2024-02-01

399  
papers

24,028  
citations

8159

76  
h-index

14702

127  
g-index

417  
all docs

417  
docs citations

417  
times ranked

9649  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Low-Frequency Earthquakes on the San Andreas Fault With Deep Learning. Geophysical Research Letters, 2021, 48, e2021GL093157.	1.5	10
2	Early Warning for Great Earthquakes From Characterization of Crustal Deformation Patterns With Deep Learning. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022703.	1.4	20
3	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
4	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
5	Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
6	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.	1.6	27
7	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
8	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
9	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
10	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
11	In situ calibration of large-radius jet energy and mass in $\sqrt{s} = 13$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	28
12	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
13	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
14	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in $36 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
15	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.	1.6	17
16	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
17	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.	1.4	13
18	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

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19	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0 TeV. European Physical Journal C, 2018, 78, 142.	1.4	59
20	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
21	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
22	Search for heavy ZZ resonances in the $\ell^+ \ell^- \ell^+ \ell^-$ , $\ell^+ \ell^- \ell^+ \ell^- \ell^+ \ell^-$ and $\ell^+ \ell^- \ell^+ \ell^- \ell^+ \ell^- \ell^+ \ell^-$ 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
23	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
24	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
25	Search for heavy resonances decaying into WW in the $e^+ \mu^- e^+ \mu^-$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	1.4	108
26	Direct top-quark decay width measurement in the $t \rightarrow \ell^+ \bar{\nu}_\ell$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
27	Search for W/Z resonance production in $\ell^+ \ell^- q \bar{q}$ 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
28	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
29	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a a \rightarrow 4b$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
30	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
31	Search for Higgs boson pair production in the $\gamma \gamma \rightarrow W W \rightarrow \ell \ell$ 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
32	Measurement of colour flow using jet-pull observables in $t \bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	1.4	16
33	Angular analysis of $B^0 \rightarrow \ell^+ \ell^- K^* \rightarrow \ell^+ \ell^- \rho^0$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
34	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in $36 \text{ fb}^{-1}$ of pp collisions at. European Physical Journal C, 2018, 78, 401.	1.4	50
35	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.	1.6	29
36	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

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37	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
38	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.	1.6	30
39	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	1.4	51
40	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
41	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
42	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
43	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
44	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
45	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.	1.6	22
46	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48
47	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
48	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
49	Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \tilde{\nu}_{\tau}$ , in the $\tau^{\pm}$ +jets and $\tau^{\pm}$ +lepton final states with 36 fb <sup>-1</sup> 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
50	Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
51	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
52	Search for exclusive Higgs and Z boson decays to $\tilde{\tau}^{\pm}\tilde{\tau}^{\mp}$ and $\tilde{\tau}^{\pm}\tilde{\nu}_{\tau}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
53	Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
54	Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17

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55	Measurement of the inclusive and fiducial $\sigma_{t\bar{t}}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	1.4	10
56	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
57	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. European Physical Journal C, 2018, 78, 625.	1.4	27
58	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
59	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
60	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
61	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 199.	1.4	132
62	Measurement of $\sigma_{\text{au}} \tilde{I}$ , polarisation in $Z/\gamma \rightarrow \text{au au}$ . European Physical Journal C, 2018, 78, 163.	1.4	7
63	Searches for heavy ZZ and ZW resonances in the $\gamma\gamma$ , $\gamma q$ and $1/2 1/2 qq$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
64	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
65	Measurement of differential cross sections and $W^+/\bar{W}^+$ 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.	1.6	16
66	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
67	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , $\sqrt{s}=13$ ) TeV with the ATLAS detector. , 2018, 78, 1.		1
68	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ , $\sqrt{s}=13$ TeV). , 2018, 78, 1.		1
69	Measurement of the $\sigma_{\text{Z}} t\bar{t}$ and $\sigma_{\text{W}} t\bar{t}$ production cross sections in multilepton final states using $3.2 \text{ fb}^{-1}$ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
70	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
71	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
72	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

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73	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
74	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
75	Measurements of top-quark pair differential cross-sections in the $e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
76	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61
77	Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	81
78	Search for triboson $W^+W^-W^0$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	1.4	25
79	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
80	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
81	Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	1.4	26
82	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
83	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
84	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
85	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	1.4	28
86	Measurement of the $\overline{t}\gamma$ 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
87	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
88	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
89	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	1.4	12
90	Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $ZZ \rightarrow \ell\ell \gamma \gamma$ , $ZZ \rightarrow \ell\ell \gamma \gamma$ , $ZZ \rightarrow \ell\ell \gamma \gamma$ , $ZZ \rightarrow \ell\ell \gamma \gamma$ , $ZZ \rightarrow \ell\ell \gamma \gamma$ , $ZZ \rightarrow \ell\ell \gamma \gamma$ decay channel with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.		

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91	Probing the $Wtb$ vertex structure in $t$ -channel single-top-quark production and decay in $pp$ collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
92	Measurements of $\tilde{\chi}(2S)$ and $X(3872) \rightarrow J/\psi + \tilde{\chi}^0$ production in $pp$ collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	33
93	Measurements of top-quark pair to $Z$ -boson cross-section ratios at $s = 13 \sqrt{s} = 13 \text{ TeV}$ , $8, 7 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	13
94	Search for lepton-flavour-violating decays of the Higgs and $Z$ bosons with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 70.	1.4	79
95	Performance of the ATLAS trigger system in 2015. <i>European Physical Journal C</i> , 2017, 77, 317.	1.4	489
96	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. <i>European Physical Journal C</i> , 2017, 77, 332.	1.4	71
97	Measurements of the production cross section of a $Z$ boson in association with jets in $pp$ collisions at $\sqrt{s} = 13 \text{ s}$ . <i>European Physical Journal C</i> , 2017, 77, 361.	1.4	47
98	Precision measurement and interpretation of inclusive $W^+W^+$ , $W^-W^-$ . <i>European Physical Journal C</i> , 2017, 77, 367.	1.4	145
99	Measurement of jet fragmentation in Pb+Pb and $pp$ collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ s}$ , $\text{NN} = 2.76$ . <i>European Physical Journal C</i> , 2017, 77, 379.	1.4	51
100	Search for dark matter at $\sqrt{s} = 13 \text{ TeV}$ in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 393.	1.4	80
101	Measurement of charged-particle distributions sensitive to the underlying event in $s = 13 \sqrt{s} = 13 \text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
102	Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13 \text{ s} = 13 \text{ TeV}$ $pp$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 898.	1.4	50
103	Search for direct top squark pair production in events with a Higgs or $Z$ boson, and missing transverse momentum in $s = 13 \sqrt{s} = 13 \text{ TeV}$ $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	8
104	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\vec{pp}$ collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 765.	1.4	19
105	Measurement of $b$ -hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	8
106	Search for supersymmetry in events with $b$ -tagged jets and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
107	Measurement of the inclusive jet cross-sections in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
108	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $s = 13 \sqrt{s} = 13 \text{ TeV}$ $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	38

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109	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 580.	1.4	35
110	Measurement of $WW/WZ \rightarrow \ell u q q^{\prime}$ and $WW/WZ \rightarrow \ell \nu q q^{\prime}$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. <i>European Physical Journal C</i> , 2017, 77, 563.	1.4	28
111	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	12
112	Searches for the $Z\tilde{\nu}^3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	30
113	Studies of $Z\tilde{\nu}^3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
114	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	16
115	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tilde{\nu}^3$ , in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	18
116	Study of $WW\gamma$ and $WZ\gamma$ production. <i>European Physical Journal C</i> , 2017, 77, 646.	1.4	30
117	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	20
118	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
119	Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	16
120	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	28
121	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	45
122	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
123	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	36
124	Measurement of the $k_t$ splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	3
125	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the $t$ -channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	8
126	Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	64



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127	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
128	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
129	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
130	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
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